

Government Publications

Government Publications



Digitized by the Internet Archive in 2023 with funding from University of Toronto



CATALOGUE No.
31-201
ANNUAL



July 6 Covernment Cove

376

GENERAL REVIEW OF THE MANUFACTURING INDUSTRIES OF CANADA 1958

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division



DOMINION BUREAU OF STATISTICS Industry and Merchandising Division

GENERAL REVIEW OF THE MANUFACTURING INDUSTRIES OF CANADA 1958

Published by Authority of
The Honourable George Hees, Minister of Trade and Commerce



PREFACE

The present review of the manufacturing industries of Canada is based on the data obtained from the survey of manufactures made annually by the Industry and Merchandising Division of the Bureau, In addition to data on production, employment, salary and wage payments, consumption of materials, fuel and electricity, size of establishment and type of ownership the review also contains data on manufacturing compiled by other Divisions of the Bureau, such as weekly and hourly earnings, hours worked, capital investment, volume of production, etc. The main purpose of the review is to supply historical background of the principal factors involved in manufacturing production in Canada, Besides general analyses for Canada as a whole, data for each province, county or census division as well as cities and towns, are also given. A feature of the review is the "Alphabetical List of Products Manufactured in Canada" which gives Canada totals for about 3,000 individual commodities. As the basis of classification for the annual survey of manufactures is the "Industry" and not the "Commodity" the same commodity may, therefore, be produced by more than one industry. To obtain a total for each commodity its production in the different industries is summarized on a ledger card which is maintained for each commodity.

The general review of the manufacturing industries of Canada, as a separate report, dates back about thirty years and has been prepared since its inception under the direction of Mr. A. Cohen, Assistant Director of the Industry and Merchandising Division who wrote the text and prepared the analytical tables contained in the volume.

WALTER E. DUFFETT,

Dominion Statistician.

March 1, 1961



TABLE OF CONTENTS

•	Page
Part I. General Analyses of Manufacturing	9
Section I. Growth of Manufacturing	9
Subsection 1. Definitions and Concepts Used in Compiling Manufacturing Statistics	9
Subsection 2. Recent Changes in Methods	12
Subsection 3. Methods and Forms Used in Collecting and Compiling the Census of Manufactures for 1958	13
Subsection 4. General Review of the Manufacturing Industries of Canada for 1958	15
Table 1. Summary Statistics of Manufactures, 1917-58	19
Table 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-58 Table 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-58 Table 4. Significant Statistics of Manufactures for Significant Years, 1917-58 Table 5. Percentage Variation in Employment, Salaries and Wages, and Gross Value of	20 22 25
Products in Each Province and Major Industrial Group, Compared for Significant Years, 1945-54	26 27
Section 2. Value and Volume of Manufactured Products	28
Table 7. Indexes of the Volume of Manufacturing Production, according to the Component Material Classification, 1923-35	29
Table 8. Indexes of the Total Volume of Manufacturing Production, classified on the Basis of Durable and Non-Durable Goods, 1935-58	29
Table 9. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Non-Durable Manufactures Classification, 1935-58	31
Table 10. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Durable Manufactures Classification, 1935-58	33
Section 3. Production by Industrial Groups and Individual Industries	33
Subsection 1. Manufactures grouped on the Standard Classification Basis	33
Table 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value	33
Added and Shipments of the Manufacturing Industries, 1958	34
the Manufacturing Industries of Canada, 1958	42
Subsection 2. Manufactures classified on the Chief Component Material Classification Basis	44
Table 13. Principal Statistics of the Manufacturing Industries, classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-58	44
Subsection 3. Manufactures classified by Origin of Materials	45
Table 14. Principal Statistics of the Manufacturing Industries, classified according to the Origin of Materials Used, by main Groups, Significant Years, 1924-58	46
Subsection 4. Manufactures classified by Type of Ownership	48
Table 15. Percentage Distribution of the Manufacturing Industries of Canada, by Type of Ownership and by Size of Establishment, 1958	40
Table 16. Percentage Distribution of Establishments in the Manufacturing Industries, Classified by Type of Ownership, by Provinces and Industrial Groups, 1958	48
Table 17. Percentage Distribution of Employment in the Manufacturing Industries, clas-	49
sified by Type of Ownership, by Provinces and Industrial Groups, 1958 Table 18. Percentage Distribution in the Forty Leading Industries, by Type of Ownership,	49
Table 19. Principal Statistics of the Manufacturing Industries of Canada and Each Province, grouped according to the Type of Ownership, 1958	50 51
Table 20. Principal Statistics of the Manufacturing Industries of Canada classified by Industrial Groups, and by Type of Ownership, 1958	52

TABLE OF CONTENTS - Continued

	1 agc
art I. General Analyses of Manufacturing - Continued	
Section 4. Principal Factors in Manufacturing Production	56
Subsection 1. Capital and Repair Expenditures	56
Table 22. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces	57
Table 23. Capital and Repair Expenditures, by the Manufacturing Industries, by Provinces,	58
Table 24. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-58	60
Subsection 2. Value of Manufacturing Inventory	62
Table 25. Value of Manufacturing Inventory Held at Plant or Plant Warehouse, Exclusive of Goods Purchased for Resale Without Further Processing, 1949-58	63
Subsection 3. Employment in Manufacturing Industries	63
Table 26. Production Workers Employed in the Manufacturing Industries, by Months and Sex, Significant Years, 1929-58	64
Table 27. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Provinces, 1958	65
Table 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1958	67
Subsection 4. Hours Worked in Manufacturing Industries	70
Table 29. Production Workers in Manufacturing, Working Specified Number of Hours per Week in the Month of Highest Employment, 1938-45	
Table 30. Production Workers in Manufacturing Working Specified Numbers of Hours During the Last Week in October, 1946-58	
Table 31. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Provinces, 1946-58	72
Table 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Groups, 1946-58	74
Subsection 5. Earnings in Manufacturing Industries	76
Table 33. Annual Earnings in Manufacturing Industries, by Provinces and Industrial Groups, 1958, with Totals for Significant Years, 1917-57	77
Table 34. Annual Earnings in the Forty Leading Industries, 1958	79
in the Manufacturing Industries, 1934-58	
Manufacturing Industries, by Provinces, 1946-58	82
Manufacturing Industries, by Industrial Groups, 1946-58	84
Employees in the Manufacturing Industries, 1946-58	87
Employees in the Manufacturing Indu stries , by Provinces, 1946-58	88
Employees in the Manufacturing Industries, by Industrial Groups, 1946-58 Table 41. Average Weekly Earnings of the Administrative and Office Employees in the Manufacturing Industries of Canada, Classified on the Basis of (a) Managerial and Professional Employees, and (b) Office Workers, by Provinces and Indus-	
trial Groups, 1951, 1954 and 1957	
Weekly Earnings, 1934-56 Table 43. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings and by Sex and Provinces, 1956	94

TABLE OF CONTENTS - Continued

	Fag	ge
Part I. General Analyses of Manufacturing — Concluded		
Table 44. Distribution of Employees in the Manufa	acturing Industries by Glasses of	
Weekly Earnings and by Sex and Industri	ial Group 1956	96
Table 45. Average Yearly Earnings and Index Numbers	of Earnings, Consumer Price Index	90
and Real Earnings of Production Worke	ers, in the Manufacturing industries.	
1931 - 58		98
Table 46. Percentage of Salaries and Wages Paid to	o the Total Value added by Manu-	
facture, Significant Years, 1917-58		99
Subsection 6. Size of Manufacturing Establishments		-
		00
Table 47. Manufacturing Establishments Classified Ac	ccording to Gross Value of Products,	
1929, 1939, 1944 and 1958		00
Table 48. Manufacturing Establishments Classified Ac	ecording to Selling Value of Factory	
Shipments, by Industrial Group, 1958 Table 49. Manufacturing Establishments Classified	hy Number of Empleyees nor Elatek	00
lishment and by Provinces, 1958	by Number of Employees per Estab-	0.4
Table 50. Manufacturing Establishments Classified	by Number of Employees per Estab-	04
lishment, 1929, 1939, 1944 and 1958		04
Table 51. Principal Statistics of Manufacturing Indu	stries by Industrial Groups, Classi-	, ,
fied by Number of Employees per Establi	ishment, 1958	05
Table 52. Percentage Importance of Establishments, e	each Employing 200 or more Persons	
in the Twenty-Five Leading Industries,	1958 10	8(
Subsection 7. Fuel and Power Consumption	. 10	30
		Jy
Table 53. Value of Fuel and Electricity Used by the	Manufacturing Industries of Canada,	
1939-57 with Details by Provinces and I Table 54. Power Equipment Installed in the Manufactu	Industrial Groups, 1958	.0
with Details by Provinces and Industrial	Groups 1952	10
Table 55. Power Equipment Installed in the Manus	Groups, 1953 11	. 4
Provinces and Industrial Groups, 1958		3
Table 56. Values of Fuel and Electricity Consumed	in the Manufacturing Industries for	
Selected Years 1926-57, and by Province	es and Industrial Groups, 1958 11	14
Table 57. Quantities of Fuel and Electricity Consum	ned in the Manufacturing Industries	
for Selected Years 1926-57, and by Prov	rince and Industrial Groups, 1958 11	6
Part II. Provincial and Local Distribution of Manufacturing 1	Production	Ω
Section 1. Type and Concentration of Manufacturing Produ	iction	.8
Table 1. Summary Statistics of Manufactures of Each		
Groups, 1958		8
Table 2. Concentration of Manufacturing Production		1
Table 3. Principal Statistics of the Manufacturing In		. 4
ince, Classified by the Number of Employ Table 4. Principal Statistics of the Manufacturing In		1
ince, Classified According to Selling Val		2
and of the state o	Table 12 and 12	9
Section 2. The Manufactures of the Atlantic Provinces		5
Table 5. Principal Statistics of the Leading Industrie	s of the Province of Newfoundland	
1958	· · · · · · · · · · · · · · · · · · ·	7
Table 6. Principal Statistics of the Leading Industrie		
Island, 1958		7
Table 7. Principal Statistics of the Leading Industr	ies of the Province of Nova Scotia,	
1958		8
Table 8. Principal Statistics of the Leading Industries		
1958	12	8

TABLE OF CONTENTS - Concluded

	Page
Part II. Provincial and Local Distribution of Manufacturing Production — Concluded	
Section 3. The Manufactures of Quebec	128
Table 9. Principal Statistics of the Forty Leading Industries of the Province of Quebec,	130
Section 4. The Manufactures of Ontario	131
Table 10. Principal Statistics of the Forty Leading Industries of the Province of Ontario,	132
Section 5. The Manufactures of the Prairie Provinces	133
Table 11. Principal Statistics of the Leading Industries of the Province of Manitoba, 1958 Table 12. Principal Statistics of the Leading Industries of the Province of Saskatchewan,	134 135
1958Table 13. Principal Statistics of the Leading Industries of the Province of Alberta, 1958	135
Section 6. The Manufactures of British Columbia	135
Table 14. Principal Statistics of the Leading Industries of the Province of British Columbia, 1958	136
Section 7. Manufacturing Industries in Urban Centres	137
Table 15. Cities and Towns each with Selling Value of Factory Shipments of Over	101
\$1,000,000, Number of Establishments and Total Shipments in such Urban Centres as a Percentage of the Grand Total, by Provinces, 1958	137
Table 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-58. Table 17. Principal Statistics of the Manufacturing Industries Located in the Metropolitan	137
Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver grouped according to the number of Employees per Establishment, 1958	139
Table 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments,	140
Table 19. Principal Statistics of the Manufacturing Industries of Canada by Counties and Census Division, 1958	
Appendix I	
Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1958	
Appendix II	
Alphabetical List of Products Manufactured in Canada, 1958	. 165
Appendix III	
Facsimile of the Long and Short Forms Used in the 1958 Census of Manufactures	. 204
Appendix IV	
List of Reports Published on the Census of Manufactures	. 212

PART I. GENERAL ANALYSES OF MANUFACTURING

SECTION 1. GROWTH OF MANUFACTURING

Subsection 1. Definitions and Concepts Used in Compiling Manufacturing Statistics

The statistics compiled by the annual survey of manufactures given in the present report cover the number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, value of shipments, inventories and value added by manufacture. The concepts used in determining a manufacturing establishment and a short definition of each of the above principal statistics is outlined in the paragraphs following:

The Establishment. — There is general agreement that in most cases the smallest unit for which data can be obtained, and which is therefore classifiable to an industry, is the establishment. The establishment is thus an operating unit having an independent existence in the sense that it contains within itself all of the elements needed for the activities carried on. An establishment is also able to maintain records from which it can provide the principal statistics enumerated in the opening paragraph without arbitrary estimation. The main elements are on the input side, total employment measured either in terms of individuals or man-hours or man-days, materials and process supplies used, and fuel and electricity consumed; and on the output side, either production, shipments or sales or revenues received, whichever is appropriate.

Theoretically, an establishment would be engaged in only one kind of activity in one location, but in practice such an ideal establishment is rarely encountered. Thus the unit for which information is usually obtained in statistical surveys is engaged in a number of activities and sometimes these activities take place in different locations, For example, manufacturers of structural steel or tanks usually produce the parts in one location and may erect the structure (bridge or tank) hundreds of miles away from the fabricating plant, thus widening the area of employment not alone to other municipalities but to other provinces as well. This poses quite a problem in the compilation of employment and production statistics on a geographical basis. Where the number of employees engaged in erecting is small the total operation of the establishment is credited to a particular industry and geographically to the municipality where the plant is located. In the case of structural steel and bridge work where the number of employees engaged in erecting is large and where the period of employment on the site extends over a long period, an attempt is made to treat the total operation as two establishments, one being classified to the bridge and structural steel industry and the other to the construction industry. In such cases the employees engaged on the site are considered as employed in construction and not manufacturing.

Some firms are so organized that their activities extend over a number of stages in the production or fabrication of a product which may include extraction or processing of crude materials as well as the fabricating and finishing processes leading to the final product. For example, a gravel or sand pit may be combined with a plant making concrete products or a textile mill may handle processes extending from spinning to weaving, dyeing and finishing of textiles. In these cases, so long as sales of intermediate products do not predominate, the objective of the operation is the final product and a realistic value can be applied only at the point of sale of the final product. Thus, unless records are maintained permitting the isolation of separate establishments for different stages, the whole operation is classified to the industry indicated by the nature of the final product.

The above rule does not apply to manufacturing establishments which sell at wholesale or retail only goods of their own making and which are classed as manufacturers. Many bakeries and dairies are in this category. Theoretically a manufacturing bakery selling its own products should make two reports, one covering its manufacturing operations and the

second covering its merchandising activities. The first report should be classified to manufacturing and the second report to either retail or wholesale trade. In practice the records kept do not permit such a breakdown and in consequence a bakery is treated as a single reporting unit which includes all its operations, manufacturing as well as merchandising. On the other hand, metal mines operated in conjunction with smelting and refining are handled differently. In this case the two kinds of activity are separately classified, the mining operations being classified to mining and the smelting to manufacturing.

With a few exceptions, the annual census of manufactures attempts to cover only the manufacturing operations of an establishment. As mentioned previously few establishments carry on only manufacturing operations. In many cases manufacturers perform the functions of wholesalers in as much as they sell their products direct to retailers or industrial users and not through wholesalers. In some cases, in addition to distributing products of their own manufacture, they also sell products purchased for resale. For the large firms, at least, these two operations which according to the Standard Industrial Classification belong to different industrial classifications, are reported separately in the schedule and only the number of employees engaged in manufacturing as well as the materials and supplies used in manufacturing and the sale of the products actually manufactured by the establishment are credited to manufacturing. The employees engaged in trade or other activities of the establishment as well as the value of sales and cost of goods purchased for resale in the condition in which purchased are excluded from the compilations of manufacturing statistics. In the case of small establishments, however, where only minor quantities of purchased goods are sold, and where the same employees perform both manufacturing and merchandising operations, the establishment is treated as a single unit and all the operations are credited to manufacturing.

Frequently a problem arises whether an establishment is engaged primarily in manufacturing or in trade. The general rule for determining the principal activity of such an establishment is given in the introduction to the Revised DBS Standard Industrial Classification Manual where it is stated:

"In order to determine the principal activity, net values added by its different activities should be used. For example, in the case of manufacturing and trade activity, the data supplied by the establishment should be such that both the 'value added' in manufacturing and the 'gross mark-up' on the commodities purchased for resale can be calculated. 'Value added' consists of the difference between the value of products manufactured in a period and the value of the materials and fuel used in their manufacture. The 'gross mark-up' on purchased goods sold consists of the difference between the cost of such goods and their selling price. The establishment is assigned to one or another activity depending upon which of these is the greater.

On the other hand, for establishments whose activities are confined to one particular division of the classification, the principal activity is determined on the basis of the gross revenue obtained from the different products produced or handled, or services rendered."

At present an establishment engaged mainly in a non-manufacturing activity but which produces manufactured products as a subsidiary operation (for example a country general store which is classified in retail trade and which also produces stock and poultry feeds) is required to make an annual return covering its manufacturing production only. In this connection it is asked to report the number of employees, salaries and wages paid, materials and fuel and electricity used in connection with the manufacturing operations and the selling value of feeds shipped or sold. Many such mixed establishments

find it difficult to make an accurate return since estimates for number of employees, broken down into office employees and production workers, fuel and electricity used, etc., have to be made.

Ancillary Units. - Many establishments have ancillary units such as garages, warehouses, power plants, or units making containers or packaging materials which may be housed in the same building as the main establishment or may be separately located. In some cases these ancillary units may also sell part of their products or services to establishments outside their organization. When such an ancillary unit can provide the information required, it is considered to be a separate establishment and is assigned to the industry indicated by the principal activity. When the required records are not available, however, the ancillary unit is assigned along with the main establishment on the basis of the main establishment's principal activity. When an ancillary unit not maintaining the required records is located away from the main plant in another municipality or province an attempt is made to get a separate return on an estimated basis. In all cases where a separate report is required from an ancillary unit, such ancillary unit as well as the main plant are considered as having independent existence, the transfer of products or services from the ancillary unit is treated as a sale and the receipt by the main unit is considered as a purchase of materials or services from other manufacturers.

Head Offices and Regional Offices. - Some firms maintain a head office and in some cases regional offices as well which are separate from the operating establishments. In reporting for a head office, firms are required to report only the number of employees, salaries and wages paid, office supplies and fuel and electricity used. If a firm's records permit, and in most instances they do, the head office or regional offices are treated as separate establishments and are assigned to the industry indicated by the principal activity of the firm as a whole. Some firms straddle main industry divisions, where in addition to manufacturing operations, they also maintain a central selling outlet or several wholesale units in different localities. In such cases, the firm is not considered to be an integrated unit leading to the wholesale activity but is treated as a manufacturing firm, and the head office is assigned to the same industry classification as the manufacturing plant. Where such a firm operates several manufacturing establishments in different industrial classifications, the head office employees and the other items reported are apportioned to the various establishments, usually on the basis of products made or shipped. When a head office or regional office forms part of a particular plant of the firm such a head office is not considered to be a separate establishment but is included in total with the operations of the plant where it is located. In all cases the head office is assigned to the locality where it is situated. If a firm in the pulp and paper industry, for example, had a head office in Montreal and several operating plants in other localities, the head office employees are credited to the pulp and paper industry in Montreal, even though no pulp and paper plants of any kind are located there.

Valuation of Production or Shipments. - For the purpose of calculating "net value of production" or "value added by manufacture" correctly, it is essential that all manufacturers report the value of shipments or of products made on a standard basis, such as for example, on the basis of the price that they would have received from independent wholesalers for the products made or shipped during the year. In practice, however, standardization of selling values is impossible without resorting to difficult methods of estimation, since firms use different channels of distribution. Some firms sell direct to wholesalers while others sell direct to retailers or industrial users and in some cases even sell direct to householders or ultimate consumers. Firms distribute their products in a number of ways. Some ship through a central warehouse which is charged only with the cost of production, the selling outlet being credited with all the profits made. In other cases some of the profit is credited to the manufacturing operation. The value of an identical unit of product reported to the annual census of manufactures thus varies in accordance with the methods of

distribution used. To illustrate, let us assume that it costs one dollar to produce unit "A". Its value as reported could vary approximately as follows:

Shipped to a wholesaler	\$1.10
Shipped to a retail store	
Shipped to an ultimate consumer	
	\$1.50
Shipped to a central warehouse at cost of pro-	
duction	\$1.00
Shipped to a central warehouse where profits are	
apportioned between manufacturing and selling	\$1.15

The values of shipments or products made as published in the present report are not uniform; they are a composite of different selling values as illustrated in the foregoing paragraph.

Some difficulty has arisen in recording the shipments of multiple unit firms that ship products from various plants to a central warehouse, located apart from any manufacturing plant, where the selling function of the firm is performed. In such cases goods leaving a plant are considered as being shipments under our definition even though the ownership still remains with the reporting firm. Such firms are considered as performing two distinct functions - (a) manufacturing, and (b) distributing and these two functions are treated statistically as if they were performed by two different organizations. In many cases no stock is held at the plant; consequently shipments and production reported on a plant basis are one and the same. We therefore are still getting production figures from firms that sell from a central warehouse. Where the manufactured products are billed to the warehouse, the firm is required to report the total of such billings during the year. In some cases, however, the production and distribution functions are treated in the accounting records as a unified operation with no billing of the warehouse for the products shipped to it. In such cases firms are instructed, if possible, to report the shipments on a cost of production basis, with a percentage mark-up for profits. The aim of the Division is to get companies to report their shipments on the same basis as if they were selling to an independent wholesaler

Value Added by Manufacture. - Having received a return from all manufacturing establishments and the value of their products totalled, the question now is "What does this total mean?" The truth of the matter is that a total value of production for a group of industries or for all industries in a year has no significant meaning. To add the value of production of flour mills to that of the baking industry would give an inflated value of production since part of the flour which was sold to bakeries is valued twice, first as a product of flour mills and again in the value of bread. For example, if a flour mill produced \$1.00 worth of flour and sold it to a baker, the baker would use this dollar's worth of flour, and after further processing would sell it for \$2.14 according to the experience of the baking industry for 1954. According to the statistics obtained for that year, for every dollar's worth of materials used the products made were valued at \$2.14. When you add the production of these two establishments, you get a value of \$3.14. There is thus duplication where the products of one establishment become the raw materials of another establishment. However, in the present volume, the totals of gross value of production or shipments are shown as a matter of historical

A more meaningful indicator had to be evolved to measure the importance and wealth created by an industry or group of industries. This was found in the concept "value added by manufacture". This figure is obtained by subtracting the cost of fuel and electricity as well as the cost of materials used from the gross value of the products, and represents the values added to the materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for the payment of salaries and

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures, Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, Survey of Production.

wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met, as well as profits. The value added by manufacture reported by the various industries can be added to produce a non-duplicating total for manufacturing as a whole. Being free of duplication within the manufacturing sector, value added figures are therefore more representative of the total value of manufacturing production than are gross value of production figures.

The concept of "net value" is also most useful in evaluating the relative importance of different industries as creators of economic wealth. Usually the gross value of production is used in ranking industries but this has the defect of overstating the contribution of industries that use expensive materials on which they perform little processing. The following table ranks the fifteen leading industries in 1954 on the basis of "gross" and "net" value of production.

	Selling v factory sh		Value added by manufacture		
	Amount	Rank	Amount	Rank	
	\$'000,000		\$'000,000		
Pulp and paper	1, 241, 6	1	641.1	1	
Non-ferrous metal smelting and refining	922.6	2	352.0	2	
Petroleum products	909.3	3	309, 8	3	
Slaughtering and meat packing	837.5	4	157.7	9	
fotor vehicles	666, 3	5	176.5	8	
Sawmills	572. 2	6	263.6	4	
Butter and cheese	412, 2	7	99.4	24	
Primary iron and steel	383, 2	8	217.5	5	
Aircraft and parts	343.0	9	181. 4	7	
Miscellaneous food preparations	306.5	10	90.4	27	
Railway rolling stock	283.4	11	116.7	18	
Bread and other bakery products	280.2	12	139.9	14	
Miscellaneous electrical apparatus and supplies	267.6	13	145.6	13	
Rubber goods (including footwear)	264. 2	14	149.0	10	
Printing and publishing	256, 7	15	182.9	6	

On the basis of the various factors involved in determing an establishment, outlined in the preceding paragraphs, the definition of a manufacturing establishment may be summarized as follows:

The Establishments. — In most cases an establishment is a complete factory. Sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included, but plants occupied in assembling parts into complete units are included. Data for the annual census is collected on an establishment basis and in most cases a firm with more than one plant is required to file a report for each plant.

Period Covered. — Firms are asked to submit figures for the calendar year, if at all possible, and most report on that basis. Financial year reports, for periods differing from the calendar year, are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Employees. — Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level and clerical employees, Working owners and partners are also included in this category. The number reported is the average for the year.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piecework basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, warehousing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

Salaries and Wages. — Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity. — Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases, unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc. When the rental paid includes heat and light, the value of fuel and electricity used is not reported.

Materials and Supplies Used. — Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others

or received as transfers from other plants of reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments. — Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively

long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories. — Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Standard Industrial Classification. — The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped. Some of the three-digit industries are further broken down into smaller industries at a four-digit level. At this level there are 169 distinct industries for which principal statistics are given in Table 11.

Subsection 2. Recent Changes in Methods

Three important changes have been made during the past few years in the methods of collecting and compiling the returns of the annual survey of manufactures. First was the adoption in 1949 of the Standard Industrial Classification. This new classification superseded the classification formerly used by the Bureau, which was based on the nature of the materials used by manufacturing establishments.

For most purposes, a classification of manufacturing industries based upon "chief component material" has in the past proved most useful in Canadian industrial classification. The Bureau's classification based on this concept has been the one most widely adopted for general purposes, such as the decennial census, foreign trade, industrial statistics, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of such a group as "Textile Products" comprised partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, which form final products such as pig iron, lumber or processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however, turning out more and more goods for final consumption, the combination of ingredients in such production becomes more and more complex. The modern automotive, alreraft, shipbuilding and electrical apparatus industries are examples in which a wide variety of materials must be assembled for the compilation of the final product. For this reason, the application of the component material classification became increasingly more difficult as Canadian manufacturing production developed and diversified.

In establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries, the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as Foods and Beverages, Clothing, Transportation Equipment, Electrical Apparatus and Supplies, have been established. Some industries were broken down, such as the electrical apparatus and supplies which now comprises five industries - (a) batteries, (b) heavy electrical machinery, (c) radios, television sets and parts, (d) refrigerators, vacuum cleaners and appliances, and (e) miscellaneous electrical products. In some cases, establishments were transferred from one industry to another in order to bring them in line with the new industries which were established. Where an industry was eliminated, the establishments were transferred

to one or several industries, depending on the nature of the principal products manufactured. A check was also made of all establishments and many transfers were made where the major products of the establishment had changed materially during the years. By and large, little change was required for most industries, the only change being a transfer to the new major groups which were established.

In the Standard Classification adopted in 1949 the industries are now grouped into seventeen major groups listed in Table 11, instead of the nine groups listed in Table 13 which were formerly used as the main basis of classification. The grouping used in Table 11, where the statistics of individual industries are presented in detail, and in the historical series shown in Table 3 is, therefore, on the basis of the new Standard Industrial Classification. However, to retain some basis of continuity with the past, there is a less detailed analysis given in Table 13 on the component material classification basis, while Table 14 gives the industries on the basis of the origin of the materials used.

The second major change was the adoption of the short form in 1949, which goes a long way in relieving small manufacturers from the irksome duty of filling in complicated and detailed returns to the Bureau.

The growing complexity of modern economic life compels governments to obtain more and more data on which to base their economic policies and for the efficient discharge of their responsibilities in the ever-widening field of activity. To get this information is expensive and also throws a burden on industry in general, which of necessity must be called upon to furnish the desired data. Realizing this, and also the fact that the necessary information must be secured, the Bureau has been casting about for new statistical techniques which would lessen the burden on industry and also would, at the same time, secure substantially correct data for the use of the administrator. With manufacturing statistics, unfortunately, the sampling techniques are difficult to apply. Other methods, therefore, had to be adopted in order to lessen the burden of the smaller manufacturer at least and, at the same time, secure substantially correct results. It was found, for example, that in 1949 out of 35,792 manufacturing establishments, 21,060 with a value of production of \$50,000 or less, contributed only 2.6 p.c. of the total value of production. On the surface it looked obvious that the Bureau could exempt these 21,000 establishments from making annual returns and still obtain satisfactory results. This would be true if we were only interested in the total value of production or the total value of materials used. This, however, is not the case, as the users of the statistics are also interested in the details of the products made and the materials used. By a study of each industry it was

found that by exempting the smaller establishments in some industries, that for some commodities produced or materials used there would be a 50 p.c. loss of the total Complete exemption was therefore out of the question. New methods had to be designed to relieve small establishments of the difficult task in furnishing information. A study was therefore made of each industry classification, of which there are about 200, and different cut-off points were determined for different industries. The general rule adopted was that wherever possible establishments with a value of production of less than \$50,000 per annum should only be required to furnish that one figure to the Bureau. and that on the basis of the information received from the smaller establishments in 1948, the last year for which they were required to furnish complete details, the Bureau would estimate for each small establishment individually the number of employees, salaries and wages paid, as well as the value of materials used. This is done in order to have a hollerith card for each establishment to use in the compilations on a geographical basis. In addition to the principal statistics, details of materials used and products made by the short-form firms are also made for each industry, by province. These estimates are based on the detailed statistics supplied by the small establishments in 1948. These estimates cannot be far out, as in most industries the percentage that these smaller establishments contribute to the total for the industry is only from 10 to 20 p.c. Where it was found that there would be a great loss in commodity data, instead of asking only for the gross value of production, the smaller firms were required to fill in a shorter form which lists the commodities in which there would be a substantial loss if no information was obtained from small firms. In other cases the cut-off point was reduced to \$25,000 or \$15,000.

An important change was made in the annual census of manufactures for 1952. A shipments concept instead of the value of production statistics heretofore compiled was adopted for a large number of industries where it was known that inventory changes from year to year were only of a minor nature. The concept was not changed for industries known to experience wide fluctuations in inventory holdings, pending further study for the need of both production and shipments information. By 1954 the shipments concept was implemented for almost all industries. Industries for which production statistics are still required are asked to report the detail of products made in physical quantities only and at the same time are required to report details of their shipments, giving both the quantity as well as the selling values at the plant. In a few industries such as sawmills, veneer and plywood, etc., production statistics only are still collected, the products made being valued on the basis of average selling prices during the current year.

The aim of the new Census of Industry schedule is to ease the burden of filling out Bureau questionnaires. The value of shipments concept for small and medium sized establishments is more realistic and more readily obtainable from the accounting records of firms, whereas the value of products made, for firms not recording such information, must be derived from special calculations. The value of shipments provides a standard basis of reporting for all establishments. Under the old system some establishments reported the value of products made and others the value of factory shipments, even though the schedule required products made to be reported. This was

especially true for small and medium sized establishments. Further, a great number of firms, attempting to report production values to fulfil the requirements of the old questionnaire, in fact computed their cost of production rather than their selling value, as they were supposed to. Since the value of shipments is usually carried in the firm's accounts, the work of filling out reports should be lessened and the questionnaire should as a result be filled out more promptly. The change should ease the burden for small establishments in particular, since the value of sales is readily available from their accounting records.

Under the "value of products" concept, establishments were required to report the factory selling value of the products made, whether sold or not, the unsold portion being assigned the average selling value of similar articles sold during the year. Where no selling values were available for the unsold portion estimated values had to be assigned. Under the new concept establishments are required to report their sales during the year, regardless of when the products were made.

These two concepts give different results, the first gives the value of products made and the second the value of products sold. For a large number of industries where normally there is no significant changes in the opening and closing inventories of finished products, these two sets of figures may be used interchangeably as they both reveal more or less the value of production and are, therefore, comparable with figures for previous years. There are, however, a number of large key industries with substantial changes in their opening and closing inventories. In such industries the new concept gives quite different results to that obtained formerly. To get comparable figures, the shipments figures must be converted to a production basis by adjusting for inventory change.

The change to the new concept solved the problem of uniformity of reporting inasmuch as the smaller firms who previously were reporting shipments instead of production are now reporting correctly. However, the new method has created other problems. One of these is the calculation of "value added by manufacture," which is obtained by subtracting from the value of production the cost of materials used, including the cost of fuel and electricity. Since the value of production is not now being reported, it has to be calculated by using the following formula.

"Shipments plus closing inventory of finished products and goods in process minus the opening inventory of finished products and goods in process equals value of products made."

In order to enable the Bureau to calculate "value added," it became necessary to ask firms to report their opening and closing inventories, broken down into (a) raw materials, (b) goods in process, and (c) finished products. These questions were added to the form for the 1954 census. As the schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added by manufacture is obtained by subtracting from the shipments the cost of materials used, including fuel and electricity, Ideally the inventory adjustment should be on a "value of the physical change" basis rather than the "change in book value". However, it has not been possible to introduce these refinements at the present time.

Subsection 3. Methods and Forms Used in Collecting and Compiling the Census of Manufacturers for 1958

Since 1949, as already mentioned, establishments with sales of \$50,000 or less were not required to report details of employment, salaries and wages paid, materials used, products shipped, fuel and power consumed, etc. In some industries the cut-off was \$25,000, going as low as \$15,000 for clothing contractors. In most cases these small establishments were required to report only the value of products made or shipped. In the case of a number of industries respondents were required to report some detail of products made or sold. On the basis of the selling value of factory shipments in the year under review estimates were made of all the principal statistics, including inventories, fuel and electricity consumed, monthly employment of production workers, etc. The estimated statistics for

the small establishments were then combined with the totals reported by the larger establishments so that the figures published in the present report are the totals for manufacturing as a whole.

For 1958 another full census was taken. For that year all small establishments were required to furnish some detail on employment, salaries and wages paid, materials used, products shipped, etc., although the detail requested was not as elaborate as in the regular long form the, cut-off for this special form for small firms in most cases being raised to \$100,000. The data for 1958 will serve as bench-marks for estimating missing detail of the smaller establishments which for 1959

and subsequent years will again be required to furnish one figure only, viz. selling value of factory shipments, with some detail on products shipped.

A facsimile of the forms used for the 1958 survey is given in Appendix III. These "General Schedules" for both large and small establishments do not show the details of materials used or products made or shipped. However, both the short and long forms used for each of the 175 or so individual industries did have this detail printed on each form. Every respondent, therefore, knew exactly what details to report, so that statistics on products manufactured or sold given in Appendix II refer to the total manufactured as reported by both large and small establishments. Nevertheless it should be pointed out that there is some element of incompleteness in some of the items in the Alphabetical List of Products, since in the returns of many manufacturers, products of minor importance of each particular establishment are not reported separately but are grouped under the item "all other products". See also paragraph further on re "Selling Value of Factory Shipments".

The definition of each item of the principal statistics as published in the present review appears on page 11 and 12. The survey of manufactures for 1958 was made in accordance with these definitions. In the following paragraphs an explanation is given as to coverage and methods used in calculating the detail not reported by the small establishments completing the short form,

Establishment. — The number given is the total of all establishments both large and small, considered as coming within the manufacturing sector in accordance with the definitions of the Standard Industrial Classification used for the 1958 survey of manufactures.

 $Employees_{\bullet}$ — The total was obtained by adding three classifications of employees, (a) working proprietors for unincorporated establishments, (b) administrative and office employees and (c) production workers. The number reported under (a) and (b) is the average for the year. The number of production workers under item (c) is the average of the number reported as being employed during the last pay period of each month. In every case the monthly figures are divided by twelve to obtain an annual figure. This is also done in the case of seasonal industries working only a few months during the year. When an establishment for example reported 12 production workers in May, 20 in June and 4 in July, the average number of production workers for such an establishment would be 3 (20 + 12 + 4 divided by 12). If the establishment in the above example also reported one working proprietor and one office employee, the total number of employees would be 5. Since working proprietors are grouped with administrative and office employees, such an establishment would be considered as having 2 administrative and office employees and 3 production workers. The above treatment applies to all the establishments reporting on the long form. In the case of the smaller establishments reporting on the short form the three-way break down was the same. In all three categories the number employed during the last pay period in May, 1958 was required to be reported.

It should be noted that small establishments thus reported only one figure for production workers as against the monthly figures reported by the larger establishments which were averaged by dividing by 12 to obtain an annual figure.

In the case of several seasonal industries such as fish processing and fruit and vegetable preparations the number employed by small firms at the end of May was not taken as the number employed for the year. In these cases the number employed was calculated separately for each establishment on the basis of the amount of wages paid during 1958. The calculation was based on the average annual wage reported by the large establishments. If it was found for example that the average annual wage of the large establishments was \$1500 and the amount of wages paid for the year by a small establishment was \$7500 the number of employees for this establishment was taken as 5, regardless of the number reported as being employed during the last pay period in May, 1958.

Monthly Employment of Production Workers. - Since the smaller establishments reported only the number employed during the last pay period of May, 1958, the figures on monthly employment of production workers given in Tables 31 and 32 refer to the number reported by the larger establishments only. In the case of some seasonal industries where the smaller establishments comprise a significant proportion of the total, the trend of employment would be flattened out by adding to each of the monthly figures reported by the larger establishments the number as at the end of May reported by the smaller establishments. This was done in the case of Table 30 which gives total employment by months of both large and small establishments. For manufacturing as a whole this method does not seriously detract from the actual seasonal trend of employment since the numbers reported by the smaller establishments at the end of May accounted for only 4.2 per cent of the total for male and 3.8 per cent for female production workers.

In any case the monthly employment of the larger establishments only are given in each case together with the end of May figure reported by the small establishments. Two methods are thus available in measuring seasonal movements of employment. The first method is to use only the monthly figures of the large establishments and the second method is to add to these monthly figures the numbers reported as at the end of May by the small establishments.

Salaries and Wages. — The figures are the total of both large and small establishments. The break down in the three classes of employees given in the preceding paragraph was the same for all establishments and the earnings reported are the gross earnings for the calendar year 1958, which include bonuses, overtime earnings and the value of room and board when provided, deductions from employees for income tax and for social services, such as sickness, accident insurance, pensions, etc.

Cost of fuel and electricity Used. — The figures are the totals of both the large and small establishments since all establishments were required to report separately (a) the total value of fuel used and (b) the cost of electricity purchased, including service charges.

Details of Various types of Fuel Used. — Only the larger establishments were required to report this detail. The figures published in Tables 56 and 57, therefore, cover only the larger establishments since no estimates of detail were made for establishments receiving the short form. Of the total value of fuel used amounting to \$333,978,263 for manufacturing as a whole, over 98 per cent was reported by the large establishments.

Kilowatt Hour Consumption. — Since small establishments were required to report only the value of purchased power, estimates were, therefore, made of the K.W.H. consumption of these establishments. These estimates are based on the cost per K.W.H. reported by the large establishments which for manufacturing as a whole in 1958 amounted to 4.67 cents per K.W.H. As in the case of fuel, the value of purchased electricity by small establishments was less than 2 per cent of the total for manufacturing as a whole. It was also assumed that no power for own use was generated by small establishments. The estimates on K.W.H. consumption was not made on each return but in total for each industry group and province. The figures on value of fuel and power consumption given in Table 53 are totals for all establishments.

Opening and Closing Inventories. — The questions on opening and closing inventories were the same for both large and small establishments with the larger establishments only being required to give additional information on opening and closing inventories, not held at the reporting plant or plant warehouse, but held in owned or rented warehouses elsewhere, in transit or on consignment. The figures on inventories given in Table 25 are total figures for both large and small establishments, since in most

cases small establishments would hold their inventories at one location and would not be too seriously involved with goods in transit or on consignment.

Power Equipment. - The figures published in Table 57 are totals for all establishments since this question was the same for both large and small establishments.

Selling Value of Factory Shipments. — The figures on selling value of factory shipments appearing in the tables of this report are totals for all establishments. The details of the various products shipped by each industry as well as the figures given in The Alphabetical List of Products Manufactured in Canada contain a certain element of incompleteness.

In order to relieve the smaller establishments to some extent from the onerous task of reporting details of all their products, a study was made for each industry for the purpose of evaluating the commodity loss which would result if the smaller establishments would omit details of shipments of the minor commodities produced by them. The list of commodities to be reported by the smaller establishments was determined by these studies. To illustrate this point we will assume that Industry X produced six different commodities a, b, c, d, e and f and that the smaller firms produced only minor amounts of commodity b and c. Commodities b and c were therefore omitted from the short form and the section on commodities produced or shipped by industry X would appear as follows on the forms.

Small establ	ishments	Large establishments				
	Quantity	Value		Quantity	Value	
Commodity A			Commodity A			
D			В			
E			C			
F			D			
			E			
			F			
All other commodities	xxxxx		All other commodities	xxxxx		
Total value of products shipped			Total value of products shipped			

By studying the question on products shipped by Industry X it becomes readily apparent that the figures for commodities b and c are somewhat short of the actual total, viz. to the extent of the quantity shipped by the smaller establishments and for which they were not required to give details and which they included with the item "All other Commodities". This omission does not, however, seriously detract from the completeness of the commodity detail published for each industry or of the "Alphabetical List of Products Manufactured in Canada", shown as Appendix II of this report, since the loss as revealed by the industry studies is of only a minor nature.

Levels of Valuation of Factory Shipments. - See paragraph on Valuation of Production or Shipments on page 10.

Materials Used. — The figures on the value of materials used are totals for both large and small establishments. For a definition of this term see paragraph on "Materials and Supplies Used" page 11. The remarks above on the incompleteness of the statistics for the various products produced or shipped by different industries apply equally to materials used.

Subsection 4. General Review of the Manufacturing Industries of Canada, 1958

The minor recession that commenced in the fall of 1957 continued for over a year to November 1958. In comparing the two years it is found that the selling value of factory shipments in 1958 at \$22,163,186,308 were only fractionally lower than the shipments in 1957, a year of record attainments. The decline in the physical output, however, at 2.7 p.c. was more substantial and compares with the drop of only 0.1 p.c. in value of shipments. This is accounted for by an increase in the wholesale prices of partly and fully manufactured goods. The decline in production was accompanied by a drop of 5.1 p.c. in the number of persons employed. This when compared with a drop of only 2.7 p.c. in the physical volume of production follows the trend in recent years for the same volume of output to be produced with fewer employees. Since 1949 the physical volume of manufactured products increased by 39.1 p.c. while the number of persons employed increased only by 10.2 p.c. Salaries and wages paid in 1958 at \$4,802,496,260 were only 0.4 p.c. lower than the previous year. This is due to the continuing increase in weekly and hourly earnings in manufacturing, a trend common to all other sectors of the economy. value added by manufacture which amounted to \$9,792,505,931 in 1958 was only moderately lower than the record high reported the previous year, the drop being only

The continuing high spending on capital goods, such as construction and machinery and equipment of all kinds which amounted to \$8,364,000,000 in 1958 had a moderating influence on the severity of the decline in manufacturing production.

Construction was up \$46,000,000 while expenditures for machinery and equipment were down \$399,000,000. This stimulated the industries producing building materials which operated at a higher level in 1958, but had a depressing effect on the industries producing electrical and other machinery. Another factor which helped to alleviate the severity of the decline was the impact on the consumer goods industries of the increase of about 459,000 in population as well as by the continued rise in labour income.

Export demand for Canadian manufactured products held firm during 1958. Partly manufactured products exported at \$1,315,500,000 were 9.9 p.c. lower than in 1957, while exports of fully manufactured products at \$1,776,500,000 were 1.5 p.c. higher. The high level of exports was another factor in moderating the decline in production. There was substantial improvement in the export of planks and boards, shingles and veneer and plywood in 1958 as compared with 1957. Wheat flour, whisky, farm machinery, aircraft, lead and lead products and uranium ores and concentrates were also higher. There were, however, declines in the export of wood pulp, newsprint, aluminum and products, nickel, copper and its products, automobiles and parts, abrasives, non-farm machinery and synthetic plastics and manufactures.

As already mentioned the physical volume of production in 1958 declined 2.7 p.c., following a decline of 1.5 p.c. in 1957. There was thus a drop of 4.1 p.c. from the record level of production of 1956. In spite of the downturn in manufacturing

activity in 1958, the production of non-durable or consumer goods was maintained at the same high level as in the previous year, the decline being only 0.1 p.c. The main effects of the decline were felt by the producers of durable goods which registered a drop of 5.5 p.c. The total index for manufacturing in 1958 stood at 139.1. For non-durable goods it was 139.5 and for durable goods 138.6. Since the end of the war the durable goods sector experienced an almost uninterrupted expansion in volume of production, the only exceptions being 1954, 1957 and 1958 when the output was lower than the previous year. Non-durable goods fared better, having experienced only one year of substantial lower output, viz. 1954. In spite of the steadier expansion, the non-durable goods sector recorded an increase in volume of only 54 per cent between 1946 and 1956 while durable goods increased by 92 per cent during the same period. This favourable achievement by durable goods was somewhat lessened by the declines in volume production during 1957 and 1958.

In the non-durable goods sector the trend in physical output in 1958 was mixed, with the majority of the industrial groups reporting declines. The greatest drop in volume of production amounting to 7.2 p.c. as compared with 1957 was reported by the rubber and rubber products group. This was followed by textiles with a drop of 6.9 p.c., products of petroleum and coal 3.0 p.c., printing, publishing and allied industries 2.7 p.c., clothing, including knitting mills 2.1 p.c., leather products 1.0 p.c., and paper products 0.5 p.c. leather products group which has experienced a long-term downward trend, amounting to 6.8 p.c., between 1946 and 1956 reported no change in 1957 and a drop of 1.0 p.c. in 1958. Five groups reported gains in volume output. Tobacco and tobacco products with 7.6 p.c. recorded the greatest increase in production. This was followed by foods and miscellaneous industries each with a gain of 4.4 p.c., chemicals and allied products 1.7 p.c. and beverages 1.0 p.c. The gains reported by these five groups practically outweighed the losses so that the net result for the non-durable group as a whole was a loss of only 0.1 p.c. in volume.

In the durable goods sector, all groups, with the exception of wood and non-metallic mineral products, reported lower levels of production. The greatest decline of 13.5 p.c. was reported by the transportation equipment group, followed by iron and steel products with 9.5 p.c., electrical apparatus and supplies 4.6 p.c. and non-ferrous metal products 1.4 p.c. The non-metallic mineral products group which produces mainly building materials managed to come up with a sizeable increase of 7.6 p.c. while the wood products group which also produces building materials came up with a 3.0 p.c. increase. The increased volume of these two groups is a reflection of the high level at which the construction industry operated, in spite of the general slackening in economic activity. The hydraulic cement industry which is a component of the non-metallic mineral products group had a 2 p.c. increase in volume of production, the output of cement rising from 6,049,098 tons in 1957 to 6,153,421 tons in 1958. The wood products group was also stimulated by the strengthened demand in other countries for its products which during the preceding few years were at a lower volume. Exports of planks and boards in 1958 rose to 3,922,953 M feet from 3,653,497 M feet in 1957, red cedar shingles to 1,814,711 from 1,718,203 roofing squares, while veneer and plywood rose to 561,767 from 490,750 M square feet.

Of the groups reporting lowered output, the transportation equipment was the hardest hit, with all industries of the group reporting major declines in production. Railway rolling stock dropped 22 p.c., shipbuilding 17 p.c., motor vehicles 14 p.c., with a drop in motor vehicle production to 359,777 units in 1958 from 413,577 units in 1957, motor vehicle parts 10 p.c. and aircraft 5 p.c. The iron and steel group with a loss of 9.5 p.c. in volume of production was another group in the durable goods sector to register a substantial loss. The primary iron and steel industry which is an important component of this group registered a loss of 18 p.c. The production of pig iron at 3,059,579 was 658,771 tons lower while steel ingots and castings at 4,359,486 were 708,663 tons lower. The output of machinery was also severely curtailed, the machinery industry in the iron and steel group reported a drop of 22 p.c. in volume,

while the heavy electrical machinery industry of the electrical apparatus and supplies group suffered a more moderate decline of 11 p.c.

Ontario which is recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance, and in 1958 accounted for 49.0 p.c. of the total value of factory shipments. Quebec with 30.5 p.c. of the total shipments ranks as the second largest industrial province, while British Columbia with 8.1 p.c. of the total ranks third. In 1958 Ontario had a slightly smaller share of the total while Quebec and British Columbia reported minor increases.

The impact of the minor downturn in production reported by the manufacturing industries of Canada in 1958 was not the same for all provinces. The outstanding feature was an increase of 2.3 p.c. in the number of employees reported by Saskatchewan when all other provinces reported declines. This no doubt is due to the fact that Saskatchewan being mainly a producer of consumer goods, was able to expand its manufacturing operations to meet the requirements of an expanded population. British Columbia with a drop of 5.1 p.c. in employment experienced a second set-back in manufacturing employment which was expanding uninterruptedly for a number of years prior to 1957. The biggest decline in employment, however, was reported by Newfoundland with a drop of 8.3 p.c. This was followed by Nova Scotia with a loss of 8.0 p.c., Ontario 5.8 p.c., British Columbia 5.1 p.c., Quebec 4.5 p.c., Manitoba 3.4 p.c., Alberta 3.1 p.c., Prince Edward Island 1.9 p.c. and New Brunswick 1.1 p.c. For Canada as a whole the decline in employment was 5.1 p.c.

The industrial expansion of Canada since Confederation has been phenomenal. In the past generation alone, Canada has changed from a country producing and exporting mainly primary products to a country that is increasingly producing and exporting manufactured products, until to-day manufactures account for about 26 p.c. of the value of all goods and services produced, and also rank as the leading employer of labour in Canada.

Canada is no longer on the fringes of industrialization but ranks among the world's most important manufacturing countries. Basic historical developments, such as the opening of the West and the magnitude of requirements of all kinds for World Wars I and II, have been followed by recent discoveries of far-reaching significance. Such events as the discovery of a major oil pool on the prairies in 1947, the discovery of largescale deposits of iron and the successful search for uranium have given new dimensions to Canadian thinking and business planning. These are the factors that explain the records of capital expenditures year by year since the end of the War. Yet it is not the mere rate of expansion that is significant. There have been other periods when Canada's population has grown more rapidly and in many respects the rate of industrial expansion in the late 1920's was relatively as great as in the postwar years. The real significance of the latter period is that never before has there been an advance on such a broad indus-

The second point to be observed is the changing emphasis of Canadian manufacturing activity. By 1949 the period of postwar conversion was passed and Canada had entered a new phase of economic expansion which derived its dynamic from the discovery of new resources and the application of new processes. This meant that even the sharp recession in the United States in the year 1949 failed to have significant effects in Canada. The influence of Korea and the consequent rearmament program gave an added impetus to the expansion of Canadian industry and to the development of Canadian basic resources. Capital expenditures that contributed most to the defence of Canada were given priority. Additional capacity was created to meet requirements of the specialized defence program - aircraft, electronic equipment, ships and guns - many items of which had never before been produced in Canada. Measures such as steel control, credit regulations and deferred depreciation had the desired effect. A shift gradually took place toward the further expansion of basic industrial capacity and away from investment in consumer goods and services.

The stability of current levels of manufacturing is indicated by the fact that such activity is the result of business assessments of resources and market potentialities. Millions of dollars are being invested in oil because the prairies can produce oil as economically as other great fields on the North American Continent, Petro-chemical plants are being erected because the raw materials are readily at hand. Kitimat is based on the coincidence of abundant and cheap hydro-power and access to ocean transportation, both of which are essential to the low-cost production of aluminum. The exploitation of the Ungava iron deposits rests on the belief that the steel industry of the North American Continent will need the highgrade ores involved in order to meet continuing peace-time demands. No country is in a more favourable position than Canada to supply uranium for the production of atomic energy.

Of strategic importance, and probably of even greater long-term significance to the Canadian economy, has been the growing world-wide shortage of raw materials, a shortage born of rising levels of employment and income, and accentuated by the course of international events, especially since 1950. These demands have shown few signs of abating and they have led to substantial increases in Canadian primary manufacturing capacity, particularly in so far as the light metals, nickel, chemical fertilizers and the cheaper grades of paper are concerned.

In recent years the demands stemming from population growth and a rising standard of living have been noticeable at all levels. In food processing, a steady up-grading in the quality of foods sold on the domestic market has been even more important than population growth. The two together have almost doubled the dollar sales of processed foods in this country since 1945. And at the intermediate level other important changes have taken place. Many of Canada's new chemical plants, for example, have been built with the domestic consumer market in mind. Frequently using petroleum or natural gas as a source of raw material, they have gone a long way towards making Canada independent of imports in such categories as vanillin, nylon and rayon intermediates, and plastics for packaging and similar uses.

The tremendous development which has taken place in Canada during the decade preceding 1957 is strikingly illustrated by the increase of 70.3 p.c. in the physical volume of manufactured products between 1946 and 1956 as compared with an increase of only 31 p.c. in the population. Part of this increase, resulted from an increased demand abroad for Canadian manufactured goods, part to the demands imposed on Canadian industry as a result of the expansion in the economy during the past decade, and part to the increase in the standard of living of the Canadian people. The increase of 91.9 p.c. in the output of durable goods consisting mainly of building materials, transportation equipment as well as machinery and equipment of all kinds reveals the extent of the contribution made by Canadian industry to the phenomenal expansion in the productive capacity of the country. Non-durable goods during the same period increased by 53.8 p.c. Although this increase is quite large it is, nevertheless, overshadowed by the much larger increase of 91.9 p.c. in the durable goods industries of the manufacturing sector.

With only one exception, all groups in both the durable and non-durable sectors recorded marked advances in volume output since 1946, the exception being leather products with a decline of 6.8 p.c. In the durable goods sector the most striking advance was made by the electrical apparatus and supplies group with an increase of 182.6 p.c. This was followed by non-metallic mineral products with 166.0 p.c., transportation equipment 95.9 p.c., iron and steel products 79.8 p.c., non-ferrous metal products 62.6 p.c. and wood products 59.3 p.c.

In the non-durable goods sector the greatest advance was made by the products of petroleum and coal group with 190.8 p.c. This was the highest increase of any group of either sector. Chemicals and allied products with an increase of 100.9 p.c. came second, followed by miscellaneous industries with 83.3 p.c., printing, publishing and allied industries 78.5

p.c., rubber goods 72.1 p.c., paper products 70.1 p.c., beverages 68.4 p.c., tobacco and tobacco products 61.0 p.c., textiles 32.2 p.c., foods 27.6 p.c. and clothing 23.4 p.c. The output of the leather products group declined 6.8 p.c.

Manufacturing establishments reporting in 1958 numbered 36,741. Of these 768 were located in Newfoundland, 179 in Prince Edward Island, 1,297 in Nova Scotia, 939 in New Brunswick, 11,828 in Quebec, 13,276 in Ontario, 1,634 in Manitoba, 970 in Saskatchewan, 1,762 in Alberta, 4,072 in British Columbia and 16 in the Yukon and Northwest Territories. These plants furnished employment to 1,289,602 persons who received \$4,802,496,260 in salaries and wages. They also shipped goods with a selling value at the factory of \$22,163,186,308 and spent \$11,821,567,471 for materials, while the value added by manufacture totalled \$9,792,505,931.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

To calculate the value of production, it is necessary to adjust the value of shipments for the difference in the opening and closing inventories of finished goods and goods in process. As the census of industry schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. For 1954 and 1955 value of production figures were obtained by adjusting shipments for inventory change of finished goods only while for 1956 and subsequent years value of production figures were obtained by adjusting for inventory changes in both finished goods as well as in goods in process. The figures for value added for 1956 and subsequent years are, therefore, comparable with 1951 and earlier years.

A number of industries still report value of production. To calculate value added by manufacture for these industries, the value of materials used, including the cost of fuel and electricity, is subtracted from the value of production reported, no account is taken of inventory change. For this reason the figures on value added by manufacture for manufacturing as a whole or for major groups published in this report differ slightly from the calculated figures derived by using the formula for converting shipments to production values which is "Shipments plus closing minus opening inventories of finished goods and goods in process equals value of production". To illustrate this point 1955 figures for Canada will be used. These figures are as follows:

	\$'000,000
Value of factory shipments	19,513.9
Inventory of finished goods and goods in process: Closing Opening	
Cost of materials used	10,338.2
Cost of fuel and electricity	457.8
Calculated value of production (19,513.9 plus 1,738.6 minus 1,619.7 = 19,632.8)	
Value added by manufacture	

This is slightly different to the 8,753.5 figure given in Table 1. The difference is due to the fact that the figures for inventory change used in the formula are for manufacturing as a whole and include the figures for those industries still on a production basis and for which inventory changes have not been taken into account in calculating their value added by manufacture.

(19.632.8 minus 10.338.2 minus 457.8 = 8.836.8)

Percentage Variation in Volume of Production, 1946-58

	Volume	e index (1949 =	100)	Percentage variation			
Group	1958	1957	Percentage variation	1951 compared with 1946	1956 compared with 1951	1956 compared with 1946	
All manufactures:	139.1	142.9	- 2.7	+35.0	+26.2	+ 70.3	
Non-durable goods	139.5	139.7	- 0.1	+23.4	+24.6	+ 53.8	
Durable goods	138.6	146.7	- 5.5	+50.1	+27.9	+ 91.9	
Non-durable goods:							
Foods	139.0	133.2	+ 4.4	+ 3.9	+22.8	+ 27.6	
Reverages	144.7	143.2	+ 1.0	+29.2	+30.3	+ 68.4	
Tobacco and tobacco products	173.2	161.0	+ 7.6	+ 4.9	+53.6	+ 61.0	
Rubber and rubber products	137.2	147.8	- 7.2	+39.6	+23.3	+ 72.1	
Leather products	114.4	115.6	- 1.0	-27.1	+27.9	- 6.8	
Textiles	109.5	117.6	- 6.9	+27.5	+ 3.7	+ 32.2	
Clothing, including knitting mills	114.4	116.8	- 2.1	+ 6.2	+16.2	+ 23.4	
Paper products	134.8	135.5	- 0.5	+45.1	+17.3	+ 70.1	
Printing, publishing and allied industries	134.4	138.2	- 2.7	+36.7	+30.6	+ 78.5	
Products of petroleum and coal	216.8	223.5	- 3.0	+72.9	+68.2	+190.8	
Chemicals and allied products	186.5	183.4	+ 1.7	+37.9	+45.7	+100.9	
Miscellaneous industries	160.0	153.3	+ 4.4	+48.4	+23.5	+ 83.3	
Durable goods:							
Wood products	131.1	127.3	+ 3.0	+32.3	+20.5	+ 59.3	
Iron and steel products	126.4	139.6	- 9.5	+44.8	+24.2	+ 79.8	
Transportation equipment	130.8	151.2	-13.5	+62.9	+20.3	+ 95.9	
Non-ferrous metal products	125.8	127.6	- 1.4	+39.5	+16.6	+ 62.6	
Electrical apparatus and supplies	175.5	183.6	- 4.6	+78.3	+58.5	+182.6	
Non-metallic mineral products	205.9	191.3	+ 7.6	+66.4	+59.8	+166,0	

Percentage Variation of Manufacturing in Canada, by Provinces and Groups, 1958 Compared with 1957 and 1954

	1958	compared with	1957	1958 compared with 1954			
Province and group	Number of employees	Salaries and wages	Selling value of factory shipments	Number of employees	Salaries and wages	Selling val of factor shipment	
Canada	- 5.1	- 0.4	- 0.1	+ 1.7	+23.3	+20	
	- 8.3				+ 6.2	+ 6	
ewfoundland	- 8.3 - 1.9	-10.8 + 3.4	- 0.6 + 7.8	- 2.9 - 8.0	+13.0	+14	
rince Edward Island	- 1.9	- 5.1	- 3.6	- 2.0	+19.9	+3'	
ova Scotiaew Brunswick	- 8.0	+ 1.0	+ 0.1	- 2.0 - 6.2	+10.8	+	
iebec	- 4.5	- 0.1	+ 1.1	+ 1.2	+21.6	+2	
ntario	- 5.8	- 0.7	- 1.9	+ 1.2	+23.4	+2	
anitoba	- 3.4	+ 1.9	+ 4.4	+ 2.8	+22.7	+2	
skatchewan	+ 2.3	+ 5.8	+ 8.2	+ 6.6	+29.0	+1	
berta	- 3.1	+ 2.2	+ 8.1	+15.6	+44.6	+4	
itish Columbia	- 5.1	+ 0.4	+ 0.8	+ 4.5	+27.1	+2	
akon and Northwest Territories	-12.7	+ 3.0	+23.5	-24.1	+ 7.6	+1	
All groups	- 5,1	- 0, 4	- 0.1	+ 1.7	+23.3	+2	
					1		
oods and beverages	- 0.9	+ 5.6	+ 8.6	+ 7.1	+30.7	+2	
bacco and tobacco products	+ 4.2	+11.5	+22.2	+ 9.0	+33.3	+3	
ibber products	-10.1	- 8.1	- 5.4	- 4.6	+13.3	+1	
eather products	- 3.0	+ 1.2	+ 3.4	- 2.0	+17.2	+1	
extiles	- 7.4	+ 4.1	- 1.2	- 1.7	+13.6	+1	
nitting mills	- 3.3	- 0.8	+ 0.8	- 3.2	+ 4.7	+1	
lothing	- 4.0	- 0.5	- 1.2	- 2.2	+13.8	+	
ood products	- 4.7 - 1.4	+ 0.3	+ 0.6	- 6.2 + 6.4	+14.4	7	
inting, publishing and allied industries	- 1.4	+ 1.6			+24.5	+2	
on and steel products	- 9.6	- 6.2	+ 4.2	+ 5.3	+25.0	1 73	
ansportation equipment	-12.9	- 6.4	- 8.5	+ 3.3 - 5.6	+15.5	+2	
on-ferrous metal products	- 6.0	- 0.4	- 8.5	+ 1.6	+15.5	1	
ectrical apparatus and supplies	- 7.9	- 1.3	- 5.8	- 0. 2	+22.4	1 15	
on-metallic mineral products	+ 1.8	+ 7.7	+ 5.7	+16.0	+40.9	+4	
oducts of petroleum and coal	- 1.9	+ 0.9	- 1.7	- 0.8	+28.4	+4	
hemicals and allied products	- 0.3	+ 5.3	+ 7.5	+ 5.7	+31.9	+3	
iscellaneous industries	+ 3.0	+ 9.2	+10.9	+15.9	+39.9	+5	

Tables 1 to 3 give a picture of the growth of manufacturing, in general, as shown by comparable principal statistics, i.e., establishments, capital, employees, salaries and wages paid,

cost of materials and values of products. A number of interesting comparisons are made in Table 4 and figures of consumption are given in Table 6.

TABLE 1. Summary Statistics of Manufactures, 1917-58

Note: Statistics of manufacturing from 1870 have been published, but between that year and 1917 they are not on a comparable basis to the series given below. They will be found in Table 1 in the 1941 edition of this report. Statistics of the non-ferrous metal smelting industries were not

Year	Estab- lish- ments	Capital	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Gross value of products ²
	No.	\$	No.		doll	ars	
917	21,845	2, 333, 991, 229	606,523	497,801,844	1,539,678,811	1, 281, 131, 980	2,820,810,79
918	21,777	2, 518, 197, 329	602, 179	567, 991, 171	1,827,631,548	1,399,794,849	3, 227, 426, 39
919	22,083	2,670,559,435	594, 066	601, 715, 668	1,779,056,765	1, 442, 400, 638	3, 221, 457, 40
920		2,923,667,011	598, 893	717, 493, 876	2,085,271,649	1,621,273,348	3, 706, 544, 99
921	20,848	2,697,858,073	438, 555	497, 399, 761	1,365,292,885	1, 123, 694, 263	2, 488, 987, 14
922	21,016	2,667,493,290	456, 256	489, 397, 230	1, 272, 651, 585	1, 103, 266, 106	2, 375, 197, 69
923	21,080	2, 788, 051, 630	506, 203	549, 529, 631	1, 456, 595, 367	1, 206, 332, 107	2,662,927,4
924	20,709	2, 895, 317, 508	487,610	534, 467, 675	1, 422, 573, 946	1,075,458,459	2, 570, 561, 93
9253	20,981	3, 065, 730, 916	522,924	569, 944, 442	1,571,788,252	1, 167, 936, 726	2, 816, 864, 9
9263	21,301	3, 208, 071, 197	559, 161	625, 682, 242	1,712,519,991	1, 305, 168, 549	3, 100, 604, 63
9273	21,501	3, 454, 825, 529	595,052	662, 705, 332	1,741,128,711	1,427,649,292	3, 257, 214, 87
928*	21,973	3, 804, 062, 566	631, 429	721, 471, 634	1,894,027,188	1,597,887,676	3, 582, 345, 30
9293	22, 216	4,004,892,009	666, 531	777, 291, 217	2,029,670,813	1,755,386,937	3, 883, 446, 1
9303	22,618	4,041,030,475	614, 696	697, 555, 378	1,664,787,763	1, 522, 737, 125	3, 280, 236, 6
931	23,083	3, 705, 701, 893	528,640	587, 566, 990	1, 221, 911, 982	1, 252, 017, 248	2, 555, 126, 4
932	23, 102	3, 380, 475, 509	468,833	473,601,716	954, 381, 097	955, 960, 724	1, 980, 471, 5
933	23, 780	3, 279, 259, 838	468,658	436, 247, 824	967, 788, 928	919,671,181	1,954,075,7
934	24, 209	3, 249, 348, 864	519,812	503, 851, 055	1, 229, 513, 621	1,087,301,742	2, 393, 692, 7
935	24,034	3, 216, 403, 127	556, 664	559, 467, 777	1,419,146,217	1, 153, 485, 104	2,653,911,2
936	24, 202	3, 271, 263, 531	594,359	612,071,434	1,624,213,996	1, 289, 592, 672	3,002,403,8
937	24, 834	3, 465, 227, 831	660, 451	721, 727, 037	2,006,926,787	1,508,924,867	3,625,459,5
938	25, 200	3, 485, 683, 018	642,016	705, 668, 589	1,807,478,028	1, 428, 286, 778	3, 337, 681, 3
939		3,647,024,449	658, 114	737, 811, 153	1, 836, 159, 375	1,531,051,901	3, 474, 783, 5
940	25, 513	4, 095, 716, 836	762, 244	920, 872, 865	2,449,721,903	1,942,471,238	4,529,173,3
941	26, 293	4,905,503,966	961, 178	1, 264, 862, 643	3,296,547,019	2,605,119,788	6,076,308,1
942	27,862	5, 488, 785, 545	1, 152, 091	1, 682, 804, 842	4, 037, 102, 725	3, 309, 973, 758	7, 553, 794, 9
943	27,652	6, 317, 166, 727	1, 241, 068	1, 987, 292, 384	4,690,493,083	3, 816, 413, 541	8,732,860,9
944	28, 483	Not collected	1, 222, 882	2,029,621,370	4, 832, 333, 356	4,015,776,010	9,073,692,5
945	29,050	64	1, 119, 372	1, 845, 773, 449	4, 473, 668, 847	3, 564, 315, 899	8,250,368,8
946	31, 249	66	1,058,156	1,740,687,254	4, 358, 234, 766	3, 467, 004, 980	8,035,692,4
947	32,734	**	1, 131, 750	2, 085, 925, 966	5, 534, 280, 019	4, 292, 055, 802	10,081,026,5
948	33,420	e e	1, 155, 721	2,409,368,190	6,632,881,628	4, 938, 786, 981	11,875,169,6
9494	35,792	**	1, 171, 207	2, 591, 890, 657	6,843,231,064	5, 330, 566, 434	12, 479, 593, 3
9504	35,942	66	1, 183, 297	2, 771, 267, 435	7, 538, 534, 532	5, 942, 058, 229	13,817,526,3
9514	37,021	66	1, 258, 375	3, 276, 280, 917	9,074,526,353	6,940,946,783	16, 392, 187, 1
9524	37, 929	8.6	1, 288, 382	3, 637, 620, 160	9, 146, 172, 494	7, 443, 533, 199	16, 982, 687, 0
9534	38, 107	**	1, 327, 451	3, 957, 018, 348	9, 380, 558, 682	7,993,069,351	17, 785, 416, 8
9544	38,028	64	1, 267, 966	3, 896, 687, 691	9, 241, 857, 554	7,902,124,137	17,554,527,5
0554	38, 182	4.6	1, 298, 461	4, 142, 409, 534	10, 338, 202, 165	8, 753, 450, 496	19,513,933,8
9564	37, 428	**	1, 353, 020	4,570,692,190	11,721,536,889	9,605,424,579	21, 636, 748, 9
9574	37, 875	6.6	1,359,061	4, 819, 627, 999	11,900,751,703	9,822,084,726	22, 183, 594, 3
9584	36, 741	44	1, 289, 602	4, 802, 496, 260	11, 821, 567, 471	9, 792, 505, 931	22, 163, 186, 3

¹ Years 1924-51, inclusive, the "Value added by manufacture" is computed by subtracting the cost of fuel, electricity and materials from the gross value of products. Years 1952 and 1953 the deduction is made from "Value of factory shipments" and in 1954 and subsequent years from the calculated value of production. Figures prior to 1924 are not comparable since statistics for cost of electricity are not available. (See text on Concepts all)

calculated value of productions rights but to the computing to the computing of actory shipments" instead of "Gross value of products".

In 1952 and subsequent years the basis of collection is "Value of factory shipments" instead of "Gross value of products".

A change in the method of computing the number of wage-earners in the years, 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. In 1931, however, the method in force prior to 1925 was re-adopted.

Newfoundland is included for 1949 and subsequent years, however, figures for the fish processing industry, 1949 and 1950, are not available for this province and therefore not included.

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-58

Province and year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	No.	\$	No.		do	llars	
Newfoundland:							
1949 1950	850	Not collected	6,934 6,682	15,486,336 16,246,252	31, 228, 173 31, 505, 623	32,918,776 36,712,377	67, 264, 285 71, 062, 850
1951 ² 1953	822 939		9,622	22,681,246	43, 117, 299	53,690,187	100,642,613
1954	790		10,575 9,892	26,604,908 27,601,186	44,972,021 46,503,032	57, 784, 697 59, 483, 922	
1955 1956	785	4.4	10,361 10,502	28,604,468 30,462,735	49,914,856 55,451,956	60,586,922	109, 567, 770 115, 579, 036 123, 691, 346
1957	916	41	10,473	32, 783, 715	53, 995, 122	56,543,792	117,713,795
1958	768		9,604	29, 233, 569	52, 156, 291	58,044,514	116, 979, 200
Prince Edward Island:							
1917 1920	270	2,008,082 2,328,686	1,556 1,287	663, 251 855, 210	3,087,621 4,164,223	1,750,135 2,135,857	4,837,756 6,300,080
19 29 3	263	2, 646, 354 2, 256, 307	2,074	727, 286	2,862,725	1,466,446	4,408,608
1933		2, 682, 900	1,088	529, 684 617, 945	1,590,834 2,239,117	1, 126, 826 1, 243, 979	2, 775, 78' 3, 543, 68
1944 1949	241 251	Not collected	1,786 1,747	1, 694, 763 2, 133, 555	6,993,510 13,537,144	3,570,835 4,338,320	10, 713, 644 18, 123, 200 23, 198, 970
1953	216	**	1,809	3,095,845	16, 963, 798	5,878,761	23, 198, 970
1954	209 192	C 6	1,774 1,775	3,000,211 3,233,404	17,001,551 17,806,842	6,044,749 6,161,628	23, 469, 743
1957 1958	193	44	1,663 1,632	3, 278, 822 3, 389, 985	18,315,249 19,203,457	6,579,507	24, 497, 24 24, 952, 85 26, 887, 72
1990	119		1,502	3,369,963	19,203,457	7, 266, 497	20,881,120
lova Scotia:							
1917 1920	1, 337 1, 345	124,357,851 135,679,188	25, 252 23, 425	18,838,051 25,625,089	102, 415, 215 85, 724, 785	57,565,703 61,371,243	159, 980, 91; 147, 096, 02
1920 1929 ³ 1933	1, 094 1, 277	118, 951, 398 92, 004, 624	19,986 12,211	16, 905, 885 9, 604, 680	50, 725, 562 25, 354, 319	35,676,421 19,988,257	89, 787, 541
1939	1,083	101, 954, 082	17,627	16,651,685	43, 332, 195		47, 912, 43 83, 139, 57
1944 1949	1, 281 1, 480	Not collected	37,812 29,311	59,940,411 54,686,577	103, 463, 123 135, 841, 899	35, 885, 563 93, 376, 638 102, 294, 298	204, 421, 66 247, 592, 38
1953	1,591	"	32,040	76,390,755	180,543,535	127,917,165	320,012,26
1954 1956	1,526 1,402	"	29,611 30,937	71,740,240 83,948,510	161, 294, 873 214, 779, 069	129,777,850 159,820,242	300, 072, 73 384, 398, 10
1957 1958	1,356 1,297	11	31,530 29,010	90,634,615 86,005,553	238, 286, 745 217, 263, 603	175,682,924 176,997,949	427, 299, 045 411, 929, 24
Vew Brunswick:							
1917	943	60,300,907	19,710	12,893,014	32,380,621	27,027,725	59,408,346
1920 1929 ³ 1933	901 803	101, 216, 395 91, 376, 948	19,007 17,952	19,266,821 15,127,716	60,812,641 39,800,366	45,803,164 26,640,786	106,615,805 68,145,015
		90, 148, 317	11,336	9,308,100	20, 442, 421	18, 166, 713	41,345,623
1939 1944	937	91, 171, 323 Not collected	14,501 23,164	13,659,162 32,345,080	35,617,614 83,993,599	27,041,195 62,258,478	66, 058, 15 152, 106, 57
1949 1953	1,060 1,094	**	23,446 24,471	44, 219, 819 59, 753, 045	131,804,253 163,797,711	91, 187, 375 120, 617, 345	231, 506, 19 295, 750, 419
1954	1,057	6.6	22, 107	55, 109, 428	157, 215, 921	118,015,815	287, 350, 600
1956 1957	1,004 981	66	22,560 20,985	61,063,301 60,485,307	176,440,306 174,741,863	125, 314, 488 123, 547, 460	313, 280, 599 311, 795, 50
1958	939		20,744	61,077,171	170, 560, 975	130,668,021	312,021,81
Quebec:							
1917	7,032 7,530	662,012,975 878,859,638	188,043	141,008,616	385, 212, 984	380, 882, 409	766, 095, 393
1920 1929 ³	6,948	1, 246, 208, 650	183,748 206,580	202,516,550 225,226,808	553, 558, 520 537, 270, 055	499,643,217 537,796,395	1,053,201,73° 1,108,592,778
1933	7,856 8,373	1,035,339,591	157,481 220,321	134, 696, 386 223, 757, 767	292, 560, 568 536, 823, 039	288, 504, 782 470, 385, 279	604, 496, 078 1, 045, 757, 585
1944	9.656	Not collected	424, 115	668, 156, 053	1, 494, 253, 053 2, 027, 793, 643	1,350,519,134	2,929,685,183
1949 1953	11,579 12,132	6.6	390,275 441,555	809,579,270 1,225,573,314	2, 027, 793, 643 2, 816.373, 112	1,651,629,668 2,424,647,499	3,788,497,123 5,386,784,863
1954	12, 191 12, 112	66	424,095 446,137	1, 214, 661, 400	2,806,248,363	2,448,027,538	5, 395, 786, 644
1957 1958	12, 250	44	449,383	1,396,414,564 1,477,828,336	3,605,521,666 3,570,908,799	2,888,148,758 2,947,897,608	6,622,502,699 6,679,595,056
	11,828		429, 358	1,476,605,908	3,597,784,845	2,970,774,755	6,754,798,278
Ontario:							
1917 1920	9,061 9,113	1,157,850,643 1,464,097,346	299,389 295,674	258, 393, 065	794,556,502	662, 174, 261	1,456,730,763
1929 ³ 1933	9,348	1,986,736,556	328,533	362,941,317 406,622,627	1,071,843,374 1,056,530,202	662, 174, 261 792, 267, 562 916, 971, 816	1,864,110,936 2,020,492,433
1939	9,542 9,824	1,587,947,947 1,762,571,669	224, 816 318, 871	220, 530, 088 378, 376, 209	464, 544, 563 907, 011, 461	465, 103, 842 791, 428, 569	958,776,858
1944 1949	10,731 12,951	Not collected	564,392 557,190	975,038,060	2,310,347,858	1,930,043,913	1,745,674,707 4,339,797,784
1953	13, 114	и	634,554	1,305,544,434 2,017,982,218	3, 256, 454, 918 4, 560, 134, 562	2,708,554,013 4,130,126,462	6, 103, 804, 834 8, 876, 504, 996

See footnotes at end of table.

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-58 - Concluded							
Province and year	Fstab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	No.	\$	No.		dol	lars	
Ontario Concluded: 1954	13, 178 13, 215 13, 580 13, 276	Not collected	598,914 641,190 644,245 606,362	1,954,767,388 2,310,634,396 2,430,676,464 2,412,654,652	4,412,536,948 5,683,753,088 5,827,317,500 5,704,319,497	3,930,730,030 4,868,570,251 5,047,710,789 4,914,073,665	8,533,167,214 10,655,098,620 11,078,592,683 10,864,028,332
Manitoba:							
1917 1920 1929³ 1933	732 747 861 1,010	82,566,858 94,424,145 121,363,898 100,074,404	18,939 23,728 24,012 18,871	16,513,423 32,372,081 31,224,596 18,687,430	69,715,149 92,729,271 87,832,324 44,579,998	42,280,801 62,776,912 63,925,015 37,390,275	111,995,950 155,506,183 155,266,294 83,934,777
1939 1944 1949 1953	1,087 1,290 1,520 1,540	119,659,365 Not collected	23,910 40,937 41,956 43,740	28,444,798 62,758,081 86,088,380 121,126,279	82,408,293 226,234,925 299,101,498 345,403,115	48,810,544 120,339,926 167,335,495 229,797,439	134, 293, 595 352, 334, 594 474, 681, 912 584, 872, 459
1954 1956 1957 1958	1,522 1,534 1,590 1,634	46 48 64 64	41, 224 42, 821 43, 884 42, 382	116,454,886 133,505,971 140,200,256 142,859,485	328,827,609 367,024,766 379,799,214 397,453,172	232,487,743 270,017,554 273,162,757 284,367,542	571,408,772 647,389,185 664,529,736 694,051,323
Saskatchewan:							
1917 1920 1929 ³ 1933	560 554 594 673	24,372,585 24,640,520 43,925,797 38,688,433	6,230 6,709 7,025 4,782	5,403,332 9,571,175 9,105,597 4,848,763	22,040,674 34,894,105 51,003,566 19,124,030	13,894,179 22,610,861 23,002,952 11,478,634	35,934,853 57,504,966 75,368,605 31,559,387
1939 1944 1949 1953	737 1,054 962 1,062	37,654,095 Not collected	6,475 12,361 10,841 11,604	7,346,127 17,703,103 22,273,942 32,395,518	38,782,135 131,215,017 164,349,341 180,303,942	20, 283, 273 40, 833, 333 47, 356, 949 79, 941, 332	60,650,589 175,349,234 215,742,708 266,613,086
1954 1956 1957 1958	1,010 798 844 970	64 66 66	11,526 11,536 12,012 12,283	33,509,833 36,683,383 40,875,349 43,228,392	169,326,001 176,871,188 189,106,737 198,833,974	104,560,398 113,627,642 109,598,807 123,394,168	280,733,784 298,203,489 306,115,112 331,298,441
Alberta:							
1917 1920 1929 ³ 1933 1939 1944	636 666 736 874 961 1,165	49,146,241 48,310,655 81,875,952 69,604,563 73,284,225	9,461 10,955 12,216 9,753	8,662,417 15,210,628 14,585,734 9,573,468 14,977,700	42,632,212 56,139,646 62,500,175 29,425,975 53,151,149	23,883,673 29,812,891 36,824,969 18,876,929 32,618,153	66,515,885 85,952,537 100,966,196 49,395,514 87,474,080
1949 1953 1954	1,685 2,072 2,052	Not collected	22, 186 26, 425 33, 082 32, 765	14,977,700 33,227,729 55,115,554 92,605,153 96,909,889	53, 151, 149 172, 082, 537 251, 364, 059 346, 221, 162 346, 524, 989	32,618,153 77,415,753 114,681,296 199,660,428 219,327,509	252,949,894 371,995,120 555,814,827 575,277,702
1956 1957 1958	1,971 1,893 1,762	66 65	36,792 39,089 37,860	120, 195, 105 137, 077, 438 140, 135, 179	412, 138, 247 461, 134, 040 495, 311, 847	285,830,811 312,037,090 339,439,455	703, 188, 739 784, 480, 512 848, 251, 994
British Columbia:							
1917 ⁴ 1920 ⁴ 1933 ⁴	1, 133 1, 306 1, 569 1, 552	171,375,087 174,110,438 311,806,456 263,195,652	37,943 34,360 48,153 28,417	35,426,675 49,135,005 57,764,968 28,469,225	87,637,833 125,405,084 141,145,838 70,166,220	71,673,094 104,851,641 113,082,137 59,034,923	159,310,927 230,256,725 260,418,645 133,879,330
1939 1944 1949 1953	1,710 2,116 3,493 4,317	274,969,502 Not collected	42,554 96,062 82,934 93,844	53,881,994 178,639,118 196,403,722 300,921,318	136,655,872 303,560,016 531,112,329 724,495,754	103, 263, 292 337, 137, 197 409, 665, 348 615, 686, 215	247, 948, 600 655, 844, 689 959, 008, 088 1, 366, 823, 690
1954 1956 1957 1958	4,462 4,393 4,250 4,072	44 44 84 44	95,867 108,595 105,631 100,222	319,802,914 393,869,388 405,129,932 406,628,209	794,885,369 1,007,882,346 985,519,123 965,939,626	651,812,950 824,249,273 767,914,301 786,620,211	1,474,156,242 1,859,368,466 1,785,298,750 1,798,960,459
Yukon and N.W.T.:							
1939 1944 1949 1953	5 12 18 30	538.847 Not collected	55 67 148 177	97,766 118,972 359,068 569,995	138,500 189,718 643,807 1,349,970	92,054 280,803 604,896 1,012,008	242,968 489,256 1,377,453 2,516,683
1954 1956 1957 1958	31 24 22 16	66 66 66	191 175 166 145	630,316 681,433 657,765 678,157	1,492,898 3,867,415 1,627,311 2,740,184	1,855,633 1,076,223 1,409,691 859,154	3,536,300 5,130,497 3,221,268 3,979,489

¹ In 1952 and subsequent years the basis of collection is "Selling value of factory shipments" instead of "Gross value of products".

² Includes for the first time the fish processing industry.

³ A change in method of computing the number of wage-earners in the years 1925 to 1930 inclusive, increased the number somewhat over that which the method otherwise used would have given. In 1931 the method in force prior to 1925 was re-adopted.

⁴ Includes Yukon and Northwest Territories.

TARLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-58

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-58							
Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹	
	nur	nber	dol		ars		
Foods and beverages: 1945 1946 1947 1948 1948	8,872 8,862 8,869 8,686 8,558	156, 396 160, 821 167, 865 168, 893 170, 024	224, 908, 882 241, 769, 865 276, 245, 015 311, 235, 818 332, 536, 319	1,336,820,028 1,408,818,069 1,656,529,086 2,034,844,290 2,009,246,062	558, 247, 045 604, 120, 647 695, 092, 932 766, 434, 971 834, 017, 547	1,921,774,601 2,040,708,650 2,383,975,675 2,839,531,142 2,882,581,753	
1953 1954 1956 1956 1957	8, 129 8, 090 8, 023 8, 536 8, 417	176, 649 177, 883 183, 008 192, 177 190, 445	455, 280, 552 477, 058, 728 531, 634, 259 590, 025, 115 623, 289, 596	2, 296, 739, 737 2, 334, 166, 626 2, 474, 174, 069 2, 704, 377, 446 2, 939, 312, 503	1, 146, 473, 720 1, 181, 648, 171 1, 311, 492, 763 1, 437, 422, 949 1, 536, 379, 118	3, 491, 961, 511 3, 562, 546, 744 3, 826, 702, 255 4, 171, 971, 292 4, 528, 889, 289	
Tobacco and tobacco products:							
1945	86 95 91 79 72	12, 164 10, 849 10, 880 10, 459 10, 686	15, 738, 041 14, 410, 558 16, 234, 772 19, 550, 563 21, 896, 378 26, 765, 643	79, 176, 519 79, 255, 405 97, 121, 002 95, 851, 271 113, 357, 196 138, 491, 048	42,985,992 39,981,625 49,221,094 57,666,963 58,529,226 75,015,218	122, 543, 932 119, 634, 216 146, 793, 011 153, 993, 442 172, 420, 213	
1953 1954 1956 1957 1958	55 53 51 49 40	9, 469 9, 613 9, 905 10, 319	27, 868, 939 30, 308, 855 33, 322, 821 37, 143, 602	144, 960, 769 150, 111, 499 160, 710, 422 206, 043, 534	79, 439, 243 88, 298, 796 88, 283, 832 98, 917, 748	214, 145, 491 225, 340, 976 239, 242, 872 249, 734, 356 305, 138, 636	
Rubber products: 1945 1946 1947 1948 1949	55 60 60 56 62	23, 490 22, 055 23, 475 21, 703 20, 729	39, 111, 477 37, 813, 363 46, 613, 893 48, 273, 015 48, 172, 207	78, 500, 892 62, 135, 578 82, 934, 625 84, 223, 731 73, 895, 718	98, 836, 225 93, 451, 248 110, 673, 007 106, 999, 669 101, 705, 513	181, 413, 226 159, 408, 113 196, 307, 734 194, 111, 934 178, 503, 559	
1953 1954 1956 1957 1958	72 73 91 88 89	22,600 20,894 23,136 22,178 19,943	70,994,643 67,476,405 82,154,889 83,189,580 76,445,003	114, 336, 694 106, 501, 858 160, 686, 586 144, 246, 768 128, 572, 616	172, 674, 055 149, 073, 979 198, 602, 139 176, 456, 204 174, 828, 149	290, 735, 459 264, 184, 787 355, 583, 815 326, 091, 308 308, 383, 196	
Leather products: 1945 1946 1947 1948 1949 1953 1954 1956 1958	706 776 792 757 747 695 673 646 624 598	34, 123 37, 290 35, 724 34, 291 34, 900 33, 068 30, 748 31, 384 31, 399 30, 151	43, 268, 635 49, 712, 628 52, 628, 612 55, 122, 863 59, 699, 886 67, 161, 757 74, 970, 034 77, 768, 483 78, 683, 799	95,006,015 108,702,945 123,894,474 114,819,233 117,869,462 116,416,179 101,250,853 123,790,832 122,529,541 124,663,736	71, 297, 713 82, 319, 495 86, 646, 061 86, 947, 703 91, 157, 684 103, 937, 262 102, 339, 751 112, 857, 380 116, 139, 080 119, 088, 395	167, 888, 463 192, 749, 456 212, 430, 165 203, 758, 501 210, 804, 174 222, 410, 182 206, 512, 812 237, 031, 985 238, 789, 101 246, 826, 765	
Textile products (except clothing): 1945 1946 1947 1948 1949 1953 1954 1956 1957	664 720 747 722 847 959 975 965 929 903	66, 011 67, 366 73, 979 75, 816 77, 773 73, 190 64, 581 70, 873 68, 512 63, 472	88, 372, 939 95, 637, 733 116, 228, 736 141, 002, 245 156, 166, 554 184, 604, 616 170, 196, 140 199, 327, 510 201, 578, 812 193, 327, 948	217, 289, 281 215, 853, 616 289, 986, 732 331, 943, 622 339, 644, 950 388, 324, 584 430, 420, 090 412, 433, 901 394, 621, 103	165, 689, 522 178, 852, 730 215, 170, 493 261, 774, 544 285, 641, 367 299, 231, 284 275, 492, 879 323, 820, 707 330, 984, 539 322, 533, 105	391, 182, 025 402, 966, 184 514, 844, 838 604, 946, 333 636, 824, 130 700, 690, 265 640, 870, 047 766, 977, 127 747, 666, 541 738, 690, 714	
Clothing (textile and fur): 1945	2, 676 2, 988 3, 121 3, 100 3, 058	99, 959 105, 868 110, 329 115, 105 117, 752	131, 478, 496 146, 265, 152 166, 951, 727 191, 866, 371 206, 512, 782	251, 899, 847 285, 568, 957 311, 018, 817 361, 216, 438 371, 128, 833	222, 307, 384 263, 018, 398 300, 527, 093 345, 028, 807 352, 741, 236	551, 331, 576 614, 594, 703 709, 688, 704 727, 498, 836	
1954 1956 1957 1958	3,082 3,030 2,811 2,860 2,781	120,071 111,315 111,712 112,775 108,676	254, 425, 960 239, 072, 710 257, 854, 168 269, 175, 810 267, 802, 054	439, 262, 654 410, 078, 242 483, 175, 047 487, 188, 490 477, 854, 084	414, 503, 222 383, 538, 744 418, 424, 063 436, 761, 970 439, 032, 452	857, 981, 013 801, 533, 118 898, 919, 689 921, 790, 234 921, 886, 034	
Wood products:	7 650	02 200	110 000 000	240 400 075	200 070 077	454 447 105	
1946 1947 1948 1949	7,656 8,846 9,744 10,495 11,191	93, 209 105, 472 120, 434 124, 306 121, 632	119,833,932 142,338,538 186,467,946 214,741,924 224,902,644	240, 482, 275 297, 923, 979 398, 854, 196 428, 913, 571 436, 637, 453	208, 979, 657 256, 436, 946 365, 050, 223 401, 401, 795 393, 928, 758	454, 447, 165 560, 341, 251 771, 403, 332 839, 045, 068 840, 355, 634	

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-58 - Continued

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	num	ber	doll		lars	
Wood products - Concluded:				1		1
1953 1954 1956 1957 1958	12,462 12,165 11,103 10,796 9,848	134,310 128,931 135,583 126,839 120,922	325,619,252 323,122,214 376,349,267 368,660,168 369,581,549	649,731,056 623,756,753 788,465,324 730,076,145 717,462,536	577,381,926 566,186,899 646,223,303 585,783,470 605,677,512	1,242,014,81 1,205,959,90 1,446,612,56 1,335,170,86 1,343,593,57
Paper products:						
1945 1946 1947 1948	475 486 502 522 524	60,819 67,442 73,445 75,980 76,471	109,627,174 134,320,546 168,632,394 197,397,810 208,348,621	255, 265, 326 313, 410, 656 410, 456, 570 485, 237, 427 494, 300, 501	241,121,150 333,819,710 443,374,435 509,993,037 532,288,636	536,859,86 695,085,53 911,238,81 1,061,359,80 1,093,060,32
1953 1954 1956 1957	555 569 568 582 562	84,436 87,370 93,705 94,283 92,935	310, 107, 707 331, 556, 026 386, 886, 416 403, 286, 291 409, 578, 235	717, 460, 043 742, 032, 309 885, 056, 261 883, 394, 993 883, 156, 058	767,273,583 802,280,157 908,726,918 877,985,557 910,693,148	1,568,250,52 1,630,162,60 1,887,611,00 1,865,719,18 1,889,460,39
Printing, publishing and allied trades:	002	02,000	100,010,200	000,100,000	010,000,110	1,000,100,00
1945 1946 1947 1948 1949	2,312 2,404 2,458 2,496 3,866	43,565 48,950 52,096 54,541 61,834	74, 257, 775 86, 433, 880 101, 611, 652 119, 087, 977 141, 489, 984	52,655,848 65,501,698 82,585,466 96,384,499 124,684,351	132,385,988 154,951,731 178,667,051 208,208,175 250,162,704	186,945,13 222,548,63 263,632,15 307,345,91 377,908,18
1953 1954 1956 1957 1958	4, 157 4, 227 4, 585 4, 584 4, 433	66,530 68,614 72,361 74,559 72,221	205,626,554 220,275,989 254,372,125 274,454,964 287,971,245	175, 222, 037 188, 725, 630 225, 201, 594 245, 024, 240 248, 244, 058	364,363,975 384,791,305 459,224,177 481,737,438 509,064,570	543,752,37 577,355,29 688,434,26 731,199,82 762,103,36
on and steel products:						
1945 1946 1947 1948 1949 1953 1954 1956	1,903 2,086 2,200 2,263 2,347 2,698 2,801 2,963	169,278 151,373 162,399 170,071 163,622 188,236 173,698 196,918	313,966,173 279,567,770 334,044,246 400,878,271 413,227,553 643,474,127 605,526,529 766,376,087 807,092,900	395,624,098 337,981,814 451,289,335 570,290,989 619,499,256 906,165,239 829,237,679 1,315,813,753 1,386,920,624	527,473,688 461,501,765 580,342,444 709,347,226 760,934,249 1,140,931,549 1,085,231,674 1,429,985,145	952,482,15 824,766,01 1,064,654,41 1,320,527,40 1,419,145,72 2,098,551,07 1,954,230,96 2,756,769,47
1957	3,073 3,254	198, 555 179, 440	807,092,900 757,173,234	1,386,920,624 1,270,710,220	1,476,346,128 1,364,093,479	2,912,148,07 2,705,682,79
ransportation equipment:	504	154,844	326 748 794	498 241 686	523, 910, 119	1,034,666,91
1946 1947 1948 1949	539 562 578 596	100,745 104,348 101,816 104,750	326,748,794 200,097,765 230,898,680 255,504,526 270,852,111	498, 241, 686 301, 206, 839 426, 573, 091 509, 910, 825 584, 064, 330	279,333,127 366,151,761 419,133,597 466,529,164	590, 128, 31 803, 611, 35 941, 483, 90 1,063, 211, 33
1953 1954 1956 1957 1957	621 602 591 623 626	156,059 133,432 141,257 144,639 125,976	555,411,152 479,079,750 553,571,826 591,461,381 553,425,532	1,110,953,581 986,721,281 1,286,297,404 1,288,242,648 1,153,569,387	961,205,155 701,600,725 906,154,667 956,075,551 883,507,106	2,089,937,63 1,713,962,98 2,192,934,97 2,269,202,98 2,075,907,78
on-ferrous metal products:	436	44,221	81,889,942	337 872 041	180,653,076	548,853,02
1945 1946 1947 1948 1948	474 503 503 532	40,855 43,344 46,048 44,698	75, 855, 699 91, 046, 568 108, 778, 616 114, 591, 106	337,872,041 311,082,975 434,517,197 556,238,618 537,218,214	148, 492, 336 201, 162, 856 248, 225, 806 289, 125, 045	484,618,45 668,074,51 844,598,15 867,043,02
1953	551 573 581 592 593	52,058 50,494 56,071 54,581 51,301	178,710,057 182,191,321 220,369,740 228,268,388 226,614,472	726, 128, 115 717, 966, 073 1, 128, 961, 556 1, 014, 145, 515 930, 931, 154	458, 180, 471 486, 933, 852 667, 853, 158 603, 099, 206 534, 066, 580	1,242,010,98 1,263,774,8 1,862,156,16 1,683,382,44 1,531,197,04
Electrical apparatus and supplies:	247	44,129	76,468,795	92,041,030	135,919,899	230,531.87
1945 1946 1947 1948	266 296 314 365	43,998 52,736 53,873 55,916	74,510,479 103,891,016 122,113,644 137,278,521	101,939,272 162,131,266 180,344,829 212,460,413	129,968,926 200,859,040 241,333,960 269,341,983	230,531,87 234,572,65 366,506,20 425,725,27 486,286,35
1953 1954 1956 1957	422 457 473 486 492	76,856 75,075 83,296 81,432 74,944	250,646,777 258,509,601 310,522,800 320,416,647 316,357,773	383,743,994 396,583,427 558,249,520 498,242,643 473,902,660	457,489,516 462,960,141 577,411,595 568,587,265 523,826,941	848, 190, 25 863, 942, 14 1, 090, 194, 17 1, 078, 212, 91 1, 015, 416, 73

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-58 - Concluded

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	number			dolla	ars	
Non motollin minoral analysis						
Non-metallic mineral products:						
1945 1946		20, 269 24, 387	32,959,877 39,651,286	41, 488, 955 49, 957, 966	76, 318, 456 94, 591, 439	130,704,79
1947		26, 443	50, 456, 143	66, 266, 546	115, 277, 990	201, 786, 91
1948		27, 278	58,816,381	72, 577, 633	134, 897, 744	232, 148, 32
1949		28, 139	64, 594, 354	78, 401, 065	143, 872, 615	246, 457, 79
1953 1954		34,352 35,229	107, 275, 074 114, 849, 079	134, 118, 848 145, 120, 516	239,815,853 256,951,758	408,909,19
1956	1, 183	40, 165	143, 223, 163	206, 872, 491	322, 821, 042	572, 539, 11
1957		40, 120	150, 313, 185	209,981,914	340,621,267	602, 164, 73
1958	1, 248	40,858	161,811,627	218,683,844	369,872,669	636,696,33
Desductor of cotton control control						
Products of petroleum and coal: 1945	80	11,532	22,904,418	188,899,911	CE COE 101	050 100 00
1946	77	12, 106	24, 197, 354	190, 527, 903	65,637,131 79,046,757	270, 166, 98 286, 007, 85
1947		12,769	28, 689, 932	257, 420, 851	84, 073, 746	361, 333,00
1948 1949	75 77	13,678 14,552	34, 766, 341 39, 783, 500	369,035,161 391,036,128	97,064,006 117,819,090	491,961,89 533,730,71
1953		17, 112	66, 565, 434	576, 310, 641	211,552,953	
1954		17.559	69, 681, 725	625, 411, 385	358, 372, 309	823,089,34 1,020,911,34
1956	107	17,685	81,679,924	837, 826, 914	489, 299, 180	1,377,226,10
1957 1958		17,757 17,427	88,687,774 89,490,506	898, 830, 429 894, 457, 513	534,093,249 515,473,433	1,491,925,83
Chemicals and allied products:						
1945	986	61,339	107, 050, 824	228,855,956	252, 944, 165	498, 630, 79
1946 1947		38,012	67,842,339	179,749,719	208, 399, 498	401,741,70
1948	1,046	39, 237 39, 548	78, 993, 517 89, 325, 771	238, 310, 157 293, 041, 874	234, 056, 973 268, 818, 222	488, 307, 29 579, 827, 50
1949	1,037	41,328	100, 690, 662	280, 008, 945	288, 171, 551	587, 398, 21
1953		50, 207	164,590,810	403,686,331	448, 276, 576	881.503.84
1954		51,603	177, 311, 960	437,051,091	476, 125, 328	935, 724, 88
1957	1,131	52,821 54,708	200, 742, 647 222, 044, 489	527, 564, 227 565, 746, 391	556, 240, 754 605, 273, 621	1,111,233,40
1958		54,570	233, 819, 330	589, 315, 994	664, 853, 235	1, 293, 331, 69
Miscellaneous industries:						
1945		24,024	37,187,275	83,549,139	59,608,689	144.523.59
1946		20,567	30, 262, 299	48,617,375	58,718,602	108,607,03
1947 1948		22,247 22,315	36, 291, 117 40, 906, 054	44,390,608	65,708,603	111,532,44
1949	893	26, 401	51, 147, 475	48,007,617 59,778,187	75,510,756 94,600,066	125,116,37 156,363,32
1953	1,350	32, 223	85, 954, 495	103, 467, 901	154, 763, 033	261, 282, 89
1954	1,360	31,071	85,748,818	102, 179, 368	149, 157, 222	252,306,08
1956	1,556	33,432	100,348,480	138, 869, 722	187, 988, 792	326, 580, 01
1958	1,579	34,942	109, 881, 191 119, 980, 755	148,659,593 170,066,471	206, 433, 400 220, 598, 291	355,013,423 393,572,590
		00,032	-10,000,700	110,000,411	220, 050, 291	393,314,39

In 1952 the basis of collection was changed from "value of products made" to "selling value of factory shipments".
Increase is due to the inclusion for the first time of establishments that publish periodicals without doing any printing.
There were three major changes in concept affecting the data for the Primary Iron and Steel Industry in 1954. The first one involved a change in the method of counting establishments; the second concerned a change in valuing shipments of wire rods transferred to makers' own processing plants; while the third concerned the method of calculating "value added by manufacture". Figures for 1954 and subsequent years are therefore not comparable with previous years. See footnotes to Table 2 of the 1954 report on the Primary Iron and Steel Industry.
Apparent advance in the selling value of factory shipments is due in part to an actual gain in physical output, but the major factor contributing to this increase was a change in accounting procedure by some firms of the petroleum products industry in calculating value of factory shipments. This increased the value by approximately \$139,000,000 over what the value would have been by the former method.

Significant Changes in Manufacturing Production. - The figures in Table 4 trace the tendencies in Canadian manufacturing industries as clearly as possible from 1917 to 1958. In analysing statistics of production and materials used, price changes should be borne in mind, particularly the inflation of values in the years immediately following World War I, the drop in prices of commodities during the depressions following 1921 and 1930, and the increases again in the recent war and post-war period. The figure that shows most clearly the trend of development is concerned with the use of power. The total horse-power employed increased from 1,658,475 in 1917 to 10,397,703 in 1953, an advance of about 527 p.c. in 37 years. In the same period, horse-power per production employee showed an uninterrupted trend from 3.06 to 10.82 in 1933 and 9.46 in 1939. With the large increase in the number of production employees on war production, and the more efficient

utilization of the equipment available, the horse-power per production employee dropped to 6.28 in 1944; the increasing installation of power machinery and the decline in employment after the war resulted in a rise to 8.52 in 1948 and 9.87 in 1953. The significant feature is the increase in both the absolute figures of power employed and the averages per production employee during the depression years as compared with 1929, although the large numbers of persons again finding employment since 1933 reduced the averages for the years 1934 to 1937 and again for 1940 to 1945. Other interesting comparisons are the trend of value added by manufacture, per employee, and of average earnings since 1929. Between 1949 and 1958 the value of purchased fuel and electricity increased by 79.6 per cent; for full details of fuel and electricity used by the manufacturing industries see Tables 56 and 57.

TABLE 4. Significant Statistics of Manufactures for Significant Years 1917-58

Item	1917	1920	19291	1933
Establishments	21,845	22,532	22, 216	23,780
Totals, employees	606,523 27.8	598,893 26.6	666,531	468, 658 19. 7
Total earnings . \$ Averages, per establishment . \$ Averages, per emplovee . \$	497, 801, 844	717,493,876	777, 291, 217	436, 247, 824
	22, 788	31,843	34, 988	18, 345
	821	1,198	1, 166	931
Administrative and office employees No. Averages, per establishment "	64,918	78, 334	88,841	8 6, 636
	3.0	3.5	4.0	3, 6
Earnings \$ Averages, per employee \$	85, 353, 667	141, 837, 361	175, 553, 710	139,317,946
	1, 315	1, 811	1, 976	1,608
Production workers	541,605	520, 559	577,690	382,022
	24.8	23, 1	26,0	16.1
Earnings \$ Averages, per employee \$	412, 448, 177	575, 656, 515 1, 106	601, 737, 507 1, 042	296, 929, 878 777
Cost of materials	1,539,678,811	2,085,271,649	2,029,670,813	967, 788, 928
	70,482	92,547	91,361	40, 698
	2,539	3,482	3,045	2, 065
Values added by manufactures ²	1,281,131,980	1,621,273,348	1,755,386,937	919,671,181
	58,646	71,954	79,015	38,674
	2,112	2,707	2,634	1,962
Gross value of products	2,820,810,791	3,706,544,997	3,883,446,116	1,954,075,785
	129,128	164,501	174,804	82,173
	4,651	6,189	5,286	4,170
Power employed	1,658,475	2,068,875	3,855,648	4,135,008
	76	92	174	174
	3.06	3.97	6.67	10.82
	1939	1944	1949	1958
Establishments	24,805	28, 483	35,792	36,741
Totals, employees	658,114	1,222,882	1,171,207	1, 289, 602
	26.5	42.9	32.7	35, 1
Total earnings \$ Averages, per employee \$	737, 811, 153	2,029,621,370	2,591,890,657	4,802,496,260
	29, 744	71,257	72,415	130,712
	1, 121	1,660	2,213	3,724
Administrative and office employees No. Averages, per establishment	124,772	192, 558	221,551	307 , 867
	5.0	6. 8	6.2	8. 4
Earnings \$ Averages, per employee \$	217, 839, 334	418,065,594	628, 427 , 937	1,469,324,281
	1, 746	2,171	2, 836	4,773
Production workers No. Averages, per establishment	533, 342	1,030,324	949,656	981, 735
	21. 5	36.2	26.5	26. 7
Earnings \$ Averages, per employee \$	519, 971, 819	1,611,555,776	1,963,462,720	3,333,171,979
	975	1,564	2,068	3,395
Cost of materials	1, 836, 159, 375	4, 832, 333, 356	6,843,231,064	11, 821, 567, 471
	74, 024	169, 657	191,194	321, 754
	2, 790	3, 952	5,843	9, 167
Values added by manufactures ²	1,531,051,901	4,015,776,010	5,330,566,434	9, 792, 505, 931
	61,724	140,989	148,932	266, 528
	2,326	3,284	4,551	7, 593
Gross value of products \$ Averages, per establishment \$ Averages, per employee \$	3,474,783,528	9,073,692,519	12,479,593,300	22, 163, 186, 308
	140,084	318,565	348,670	603, 228
	5,280	7,420	10,655	17, 186
Power employed	5,045,287 203	6,468,439 227	3	12,046,697 328

A change in the method of computing the number of production workers in the years 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. There was, therefore, a proportionate reduction in the averages for 1925-30 per employee as compared with what these averages would have been under the other method. In 1931, however, the method in force prior to 1925 was re-adopted. The figures for 1931 and for later years are therefore comparable with those for 1924 and earlier years.

Recent Changes in Manufacturing Production. - Table 5 shows the changes in the nature of manufacturing production since the end of World War II with regard to numbers employed, the salaries and wages paid, and the gross value of products. Owing to price declines during depressions and rises during periods of prosperity, the values of both wages and products are naturally affected more than the number of employees. Furthermore, during periods of curtailed production there is a tendency for production workers to be put on part time, while the number of office employees responds less quickly to reduction in output than that of production workers. Therefore, there are several reasons why the variation in number of employees should be less than that of money values. The figures of Table 5 are to be compared with those of Tables 8 9 and 10 which show changes in volume of production. The number of employees in 1944 increased by 86 p.c. over 1939. Salaries and wages paid were 175 p.c. higher and the gross value of production 161 p.c. higher. Another significant change is the increase in the proportion of women engaged in manufacturing. Whereas in 1939, there were 281 females to every 1,000 males employed, in 1944 this figure jumped to 403.

Significant changes in the nature of manufacturing production took place after the cessation of hostilities in 1945. Industries engaged in war production operated at a substantially lower level, while industries producing consumer goods stepped

² See footnote 1, Table 1.
³ Collected only every five years.
⁴ See footnote 2, Table 1.

up their production. From the point of view of employment the chemical and allied products group with a drop of 33 p.c. experienced the greatest decline in production between 1945 and 1949. Transportation equipment which includes aircraft and shipbuilding was second with a drop of 32 p.c., followed by tobacco and tobacco products with 12 p.c., rubber goods 12 p.c. and iron and steel products 3 p.c. The non-metallic mineral products group reported the greatest gain in employment with an increase of 39 p.c., followed by printing, publishing and allied trades 31 p.c., wood products 29 p.c., electrical apparatus and supplies 27 p.c., products of petroleum and coal 26 p.c., paper products 21 p.c., textiles (except clothing) 19 p.c., clothing (textile and fur) 18 p.c., foods and beverages 8 p.c., leather products 2 p.c. and non ferrous metal products 1 p.c. For manufacturing as a whole there was an increase of 4 p.c. in the number of employees with an increase of 39 p.c. in the amount of salaries and wages paid. Although there was an increase of 50 p.c. in the gross value of production, the increase in the physical volume was only 7.6 p.c. This is due to the rise in the wholesale prices of fully and partly manufactured products.

Between 1949 and 1954, for manufacturing as a whole, there was an increase of 40.6 p.c. in the gross value of production, 8.1 p.c. in employment, and 75.5 p.c. in salaries and wages paid. In terms of employment, the electrical apparatus and supplies group with an increase of 34.3 p.c. experienced the greatest expansion since 1949. Transportation

equipment came second with 27.4 p.c., followed by non-metallic mineral products with 25.2 chemicals and allied products 24.9, products of petroleum and coal 20.7, miscellaneous industries 17.7, paper products 14.3, non-ferrous metal products 13.0, and printing, publishing and allied industries 11.0. The smallest gain was reported by the rubber products group with 0.8 p.c. Four groups reported declines in employment. Textiles led the list with a drop of 17.0 p.c., followed by leather products with 11.9, tobacco and tobacco products 11.4 and clothing 5.5.

Significant changes have also occurred regionally between 1949 and 1954. In terms of employment, there was an increase of 8.1 p.c. for Canada as a whole. With the exception of two provinces, New Brunswick and Manitoba, all other provinces reported increased employment in manufacturing. Alberta led in this respect with an increase of 24.0 p.c., followed by British Columbia with 15.6 p.c., Newfoundland 13.2 p.c. and Quebec 8.7 p.c. These four provinces were above the Canadian average of 8.1 p.c. Four other provinces also reported increases in employment, but below the Canadian average, Of these Ontario reported an increase of 7.5 p.c., Saskatchewan 6.3 p.c., Prince Edward Island 1.5 p.c. and Nova Scotia 1.0 p.c. Of the two provinces reporting declines New Brunswick suffered a drop of 5.7 p.c. and Manitoba a drop of 1.7 p.c. The following table gives the changes which have taken place in manufacturing during the ten-year period, 1945 to 1954, on an industrial as well as a geographical basis.

TABLE 5. Percentage Variation in Employment, Salaries and Wages, and Gross Value of Products in Each Province and Major Industrial Groups, Compared for Significant Years, 1945-54

(For a comparison of 1958 with 1957 and 1954 see page 18)

	1949	compared with	1945	1954	compared with	1949
Province and group	Employees	Salaries and wages	Gross value of products	Employees	Salaries and wages	Gross value of products
Province	1	2	3	4	5	6
Newfoundland¹ Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada²	+ 1. 2 - 8. 0 - 1. 3 + 2. 5 -12. 3 +19. 1 -13. 7	+25.9 -8.8 +36.7 +21.2 +33.8 +37.2 +25.8 +65.9 +9.2	+ 69.2 + 21.1 + 52.2 + 29.3 + 40.6 + 34.7 + 23.0 + 47.1 + 46.2	+13, 2 + 1, 5 + 1, 0 - 5, 7 + 8, 7 + 7, 5 - 1, 7 + 6, 3 +24, 0 +15, 6 + 8, 1	+71. 1 +40. 6 +31. 2 +24. 6 +50. 0 +49. 7 +35. 3 +50. 4 +75. 8 +62. 8	+43. +29. +21. +24. +42. +39. +20. +30. +53.
Industrial group						
Foods and beverages Tobacco and tobacco products Rubber products Leather products Leather products (except clothing) Clothing (textile and fur) Wood products Paper products Printing, publishing and allied industries Printing, publishing and allied industries Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries Miscellaneous industries	-12. 2 -11. 8 + 2. 3 +18. 9 +17. 8 +28. 9 +20. 7 +31. 2 - 3. 4 -32. 4 + 1. 1 +26. 7 +38. 8 +26. 2	+48.5 +39.1 +23.2 +38.0 +78.6 +57.1 +86.7 +81.2 +31.6 -17.1 +39.9 +79.5 +6.0 +73.7 -6.0	+ 48.5 + 42.3 + 1.6 + 25.6 + 65.1 + 52.6 + 83.9 + 95.1 + 84.1 + 49.0 + 110.9 + 88.6 + 97.6 + 17.8	+ 3. 4 + 0.8 -11. 4 + 0.8 -11. 9 -17. 0 - 5. 5 + 16. 3 +11. 0 + 6. 2 +27. 4 +13. 0 +34. 3 +25. 2 +20. 7 +24. 9 +17. 7	+42.4 +27.3 +40.1 +11.5.5 +9.0 +15.8 +43.7 +55.7 +46.5 +76.9 +59.0 +88.3 +77.8 +77.2 +76.1	+23. +30.7 +48.6 - 2.6 +10.6 +10.6 +43.1 +49.1 +52.8 +37.7 +61.5 +77.7 +76.6 +91.5 +59.5 +61.4

Exclusive of fish processing.

Newfoundland and "Publishing (only) of Periodicals" are excluded in columns 1, 2 and 3, but are included in columns 4, 5 and 6.

Exclusive of Newfoundland in columns 1, 2 and 3; inclusive of Newfoundland in columns 4, 5 and 6.

Exclusive of "Publishing (only) of Periodicals" in columns 1, 2 and 3.

Due to the changes of establishments from one industry to another figures for 1949 are not comparable with previous years.

Consumption of Manufactured Products. - One of the beneficial results of adopting the same classification for external trade and for production is exhibited in Table 6, where the value of commodities made available for consumption in Canada is derived from these statistics. For example, the value of all manufactured commodities made available in 1958 was \$23,130,592,757, a figure obtained by adding to the value of manufactured products the value of the imports of manufactured and partly manufactured goods and deducting the

value of the exports. In this table more accurate statistics could be presented were it possible to exclude from the gross value of manufactured products the duplications involved when the products of one manufacturing establishment become the material worked upon in another. Iron, vegetable, wood and paper, animal, non-ferrous metals, non-metallic minerals and textiles and textile products were, in that order, the leading groups in the value of finished products made available for consumption in 1958.

Animal, wood and paper and non-ferrous metal products were manufactured in Canada in greater quantities than required for home consumption, providing export balances in these groups.

On balance, Canada in the past imported large quantities of iron and steel, textiles, chemicals and non-metallic mineral products in spite of large home production. The expansion of the iron and steel, chemical and non-metallic mineral products industries will enable Canada to meet more of her requirements for home consumption and to export greater quantities in the

Significant changes have taken place since 1939 in the type of manufactured products made available for consumption. In that year, the iron and its products group was in leading

position and contributed 19.8 per cent of the total value of manufactured products. In 1958 this group was still in first place, but the percentage went up to 26.9. The wood and paper products, non-ferrous metals, non-metallic minerals, chemicals and allied products and miscellaneous industries groups also increased their share of the total. The three mineral groups, combined, increased substantially their share of the total from 35.9 in 1939 to 46.8 in 1958. This indicates a higher standard of living for the Canadian people and also reflects the great expansion and diversification in manufacturing which has taken place since 1939. The industries producing consumer goods, on the other hand, suffered a relative decline. Vegetable products dropped from 19.6 to 14.1, animal products from 11.8 to 10.2 and textiles and textile products from 13.3 to 8.2. The following table gives the relative position of the major industrial groups in 1939 and 1958.

Manufactured Products Made Available for Consumption

(Percentage of the total)

Group	1939	1958	Group	1939	1958
Vegetable products	19.6	14. 1	Non-ferrous metal products	8.9	10.1
Animal products	11.8	10.2	Non-metallic mineral products	7. 2	9.8
Textiles and textile products	13.3	8.2	Chemicals and allied products	5.3	5.7
Wood and paper products	11.6	12.4	Miscellaneous industries	2.5	2.6
Iron and its products	19.8	26.9	Total	100.0	100.0

TABLE 6. Consumption of Manufactured Products, 1928-57, and by Industrial Groups, 1958

	Value of products	Manufacture manufactur	Value of manufactured products		
Year and group	manufactured ¹	Value of net imports	Value of domestic exports	available for consumption	
		doll	ars		
1928 1929 1929 1933 1939 1944 1942 1943 1944 1945 1946 1947 1948 1949 1950 1950 1951	3,582,345,302 3,883,446,116 1,954,075,785 3,474,783,528 6,076,308,124 7,553,794,972 8,732,860,999 9,073,692,519 8,250,368,866 8,035,692,471 10,081,026,580 11,875,169,685 12,479,593,300 13,817,526,381 16,382,187,132 16,982,687,035 17,785,416,854 17,7554,527,504 19,513,933,811 21,636,748,986 22,183,594,311	954, 387, 551 939, 130, 201 298, 068, 344 542, 364, 930 1, 123, 994, 913 1, 283, 884, 068 1, 305, 838, 746 1, 302, 413, 996 1, 117, 544, 874 1, 390, 123, 100 1, 928, 250, 119 4, 869, 702, 089 2, 043, 583, 929 2, 289, 162, 070 3, 341, 709, 829 3, 125, 381, 333 3, 519, 418, 503 3, 239, 535, 681 3, 781, 212, 944 4, 639, 037, 713 4, 525, 870, 602	698, 376, 615 686, 876, 071 365, 232, 113 646, 853, 938 1, 922, 855, 603 2, 056, 368, 079 2, 444, 862, 298 2, 688, 575, 781 2, 352, 441, 796 1, 701, 677, 026 2, 124, 740, 343 2, 259, 247, 456 2, 017, 055, 615 2, 749, 091, 256 2, 892, 543, 945 2, 781, 269, 785 2, 811, 573, 960 3, 143, 126, 437 3, 261, 774, 777 3, 251, 376, 449	3,838,356,238 4,135,700,246 1,886,912,016 3,370,294,520 5,907,447,344 6,781,310,961 7,593,837,447 7,105,471,944 7,724,138,545 9,884,536,356 11,485,624,318 12,506,121,614 13,866,954,536 16,677,805,705 17,215,524,231 18,523,555,572 17,982,489,225 20,152,20,318 23,014,011,922 23,458,088,464	
Industrial groups, 1958 ³					
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries ⁴	3,103,762,931 2,407,196,473 1,593,944,149 4,007,449,302 2,546,613,777 2,103,105,691 1,239,536,483 392,278,880	347,828,658 69,577,063 320,640,859 223,456,556 1,776,296,633 377,980,374 275,711,119 285,397,742 369,927,362	194,827,620 115,142,268 19,054,430 1,365,356,430 324,758,559 598,195,260 107,293,909 197,051,344 157,730,397	3,256,763,969 2,361,631,268 1,895,530,578 2,865,549,728 6,220,836,696 2,326,398,891 2,271,522,901 1,327,882,881 604,475,845	
Totals	22, 163, 186, 308	4, 046, 816, 666	3, 079, 410, 217	23, 130, 592, 757	

¹ For 1952 and subsequent years the figures are "Selling value of factory shipments" instead of "Value of products manufactured".
² Figures for the years 1928-38 are for the fiscal years ended Mar. 31 of the following years: for 1939-58 they are for the calendar year. Net imports are total imports less foreign products re-exported.
² Consumption figures for the major groups of the Standard Industrial Classification cannot be calculated as statistics of imports and exports

are still compiled on the component material classification basis. 4 Statistics for the miscellaneous group for 1958 are not comparable with previous years when various non-commercial items were included, items which now are being excluded entirely from the published totals of Canadian merchandise trade. Due to these exclusions export figures of the miscellaneous group declined about \$30,000,000 while imports declined about \$150,000,000. This resulted in an overstatement of about \$120,000,000 in the approximation of the miscellaneous group declined about \$150,000,000 in the property of the miscellaneous group declined about \$150,000,000 in the property of the miscellaneous group declined about \$150,000,000 in the property of the miscellaneous group declined about \$150,000,000 in the property of the miscellaneous group declined about \$150,000,000 in the property of the miscellaneous group declined about \$150,000,000 in the property of the miscellaneous group declined about \$150,000,000 in the property of the miscellaneous group declined about \$150,000,000 in the property of the miscellaneous group declined about \$150,000,000 in the property of the miscellaneous group declined about \$150,000,000 in the property of the miscellaneous group declined about \$150,000,000 in the property of the miscellaneous group declined about \$150,000,000 in the property of the miscellaneous group declined about \$150,000,000 in the property of the property in the available for consumption figures for 1957 and earlier years.

SECTION 2. VALUE AND VOLUME OF MANUFACTURED PRODUCTS

Value of Manufactured Products. — In the interpretation of manufacturing values over a number of years, variations in the level of prices must be borne in mind. In recent years, due to violent changes in prices, unadjusted value series, used in isolation, have become increasingly inadequate as indicators of economic trends. Of necessity, interest has shifted to measures of volume. The range of prices since 1917, on the base period 1935-39 = 100, was as follows:

i, ou the base period	2 1000 00	- 100, 1100 00 101101101
Year		Fully or chiefly manufactured products
1917	148.9	150.9
1920	203.2	208.2
1929	124.6	123.7
1933	87.4	9 3.3
1939	99.2	101.9
1949	198.3	199.2
1958	227.8	238.3

Volume of Manufactured Products. — Since real income is ultimately measured in goods and services, the growth of the volume of manufacturing production, as distinguished from its value, becomes a matter of great significance. The important thing to know is whether consumers are getting more goods and services, and not whether they are expending more dollars and cents. The field of industrial production, because of its dominating position in the national economy, has attracted increasing attention. This, in turn, has resulted in the need for more accurate measurements of physical output.

During the past few years, the Business Statistics Section of the Bureau's Research and Development Division has been engaged in the reconstruction of the Index of Industrial Production. The revised indexes with 1949 as the base year are given in Tables 8, 9 and 10. The project consisted mainly of establishing annual gross and net levels of production for each industry from census of industry data and of improving the reliability of the current monthly series. For a description of the methods used in constructing the indexes and a description of its scope, see D.B.S. Reference Paper No. 34 "Revised Index of Industrial Production, 1935-1951".

The construction of this index was made possible by the availability of a great deal of basic data. Annual statistics valuable for this project have been collected by the Bureau without interruption from the end of the first World War to the present, and the scope of the monthly information has been greatly expanded. Applying the methods developed through the experience of the last quarter century, it has been possible to compute an index with a fair measure of accuracy from 1935 to the present.

Prior to the end of the first World War, the movement of industrial production was regarded as following the output of a few factors such as pig iron. The introduction of the index number placed the information on a much wider base. It is safer to base one's impression of the current trend upon a comprehensive index embracing a wide range of economic factors than upon any limited group of components that necessarily fluctuate according to particular influences.

An index of this kind offers considerable advantage in analyzing social and economic problems. The greatest call for the index is for the interpretation of current economic conditions. It is particularly relevant in the study of business fluctuations. While the index is based on the sectors of the economy that are particularly sensitive to short term influences, it also reflects a large part of the variations in the total of all economic activity. The output of mines and factories plays a dominant part in economic fluctuations and is closely associated with transport and trade which are mainly concerned with the distribution of commodities. The barometric nature of the industrial sector enhances the value of the index as an indicator of short-term movements but its usefulness in the interpretation of long-term economic developments should not be overlooked.

The Canadian annual Census of Industry, from which final benchmark indexes are computed, covers practically all establishments, but excludes work in the home. In the matter of repairs, the census of manufactures generally excludes work performed in connection with a service trade such as boot and shoe and automobile repairs. However, the census covers repairs carried on essentially under industrial con-

ditions, such as ship and locomotive repairs. Consequently only industrial-type repairs are included in the index.

The framework of the revised index is based on the new Standard Classification of Industries prepared by an inter-departmental working committee. The preceding system used by the Bureau of Statistics was of a three-fold nature based on (1) chief component material; (2) purpose and (3) origin. The first principle was used most extensively, the criteria of purpose and origin having been used for the presentation of supplementary series which played a secondary role in Bureau publications.

The main innovation introduced in the Standard Classification was the compromise between the different principles. In recent years, Canada's industrial system has undergone considerable development, from a country primarily concerned with the early stages in the processing of primary materials to one that is turning out more and more goods for final consumption. Consequently, in establishing the new classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. The purpose phase was regarded as most appropriate for the wide range of consumer goods such as clothing and foods and beverages.

The industries grouped under the component material phase of the classification from 1935 to 1948 were re-arranged to conform with the standard model. As most of the industries were not greatly affected by the change in classification they were transferred intact to the proper position in the new system. The standard classification, for the most part, provided for comparability at the industry level. It was applied to establishments for the first time in the 1949 census of manufactures. In a number of industries, where the change in classification seriously disturbed the continuity, establishments were re-combined for the whole period covered by the index. The manufacture of synthetic rubber, for example, was transferred from the rubber industry to "miscellaneous chemicals". Plants engaged in the production for distribution of manufactured gas were transferred from "coke and gas" to the gas and electricity division. The salt industry was adjusted so as to comprise only processing operations for inclusion in the manufacturing division of the index. Three minor industries which were re-classified to non-industrial groups were dropped from the computation.

The appropriate series in the manufacturing division were re-classified to obtain sub-indexes of economic significance. The movement of durable goods normally varies from that of non-durables. There tends to be greater fluctuation in durables from prosperity to depression, the demand for non-durables being more constant. The manufacturing division was therefore divided, at the major group level, as between durable manufactures and non-durable manufactures. Although these groupings are rather rough and ready, they are of great use in economicanalysis. The classification into producers' and consumers' goods, attempted in some countries, involves more difficulty as many intermediate commodities have alternate uses, and was not attempted here.

Volume of Production, 1923-35. — The indexes of volume of production, 1923-1935 given in Table 7 below were constructed in the General Manufactures Section of the Industry and Merchandising Division for the years 1923 to 1946. On comparing the index for 1935 given in Table 7 which stood at 87.9 with the new index for 1935 at 86.6 on the 1935-39 base, it would appear that for the back years little significant variation existed between the two series. The indexes in Table 7 may therefore be used in evaluating the changes in the volume of manufacturing production between 1923 and 1935.

The physical volume of manufacturing production increased 50 p.c. from 1923 to 1929. When it is recalled that the population of Canada is estimated to have increased only 11 p.c. during the same period, the growth of manufacturing production is indeed remarkable. Of this advance, the part resulting from an increase in the domestic demand due to growth of population would therefore be about 11 p.c. The increase in exports was about 3.6 p.c. of the 1923 production. The remainder of the increase in production by 1929, or a margin equal to roughly 35 p.c. of the volume of manufactures of 1923, was, therefore, apparently absorbed by increases in capital equipment and by the rise in the standard of living of the population of Canada. From a high of 101.4 in 1929 the volume of production declined to 67.6 in 1932 and climbed again to 87.9 in 1935.

TABLE 7. Indexes of the Volume of Manufacturing Production, according to the Component Material Classification, 1923-35

					-,					
Year	Vegetable	Animal	Textiles	Wood and paper	Iron	Non- ferrous metal	Non- metallic mineral	Chemicals	Miscel- laneous	All industries
1923	62.6 67.8 75.1 80.2 84.9 93.5 96.4 91.6 83.4 74.1 72.8 82.4 87.0	75. 0 80. 4 84. 8 92. 2 90. 0 92. 9 87. 9 85. 3 77. 4 76. 7 79. 6 86. 5 91. 3	64.3 62.1 66.5 75.8 81.4 87.0 86.1 80.0 78.2 74.6 81.1 89.5 94.5	65. 1 64. 0 69. 0 78. 1 84. 1 92. 5 99. 6 92. 1 76. 6 68. 0 69. 6 81. 5 89. 5	81. 5 68. 6 79. 9 102. 6 104. 1 117. 1 133. 4 108. 8 53. 5 50. 2 67. 6 83. 4	42. 7 46. 4 52. 5 58. 6 67. 6 75. 3 81. 3 76. 8 73. 1 58. 9 57. 6 70. 8	81. 8 78. 9 80. 3 89. 6 102. 3 116. 3 137. 1 122. 9 105. 6 75. 1 68. 8 82. 5 88. 1	59. 2 60. 5 64. 8 70. 5 75. 2 82. 7 84. 8 74. 9 69. 2 66. 0 69. 9 79. 3 87. 2	99. 5 95. 0 94. 5 104. 4 114. 2 110. 5 105. 6 87. 8 80. 0 75. 8 71. 9 85. 2 91. 1	67. 5 66. 3 72. 5 82. 5 87. 9 95. 8 101. 4 91. 9 67. 6 67. 7 79. 6 87. 9

Volume of Production, 1935-58.— The period covered by this report was characterized by unprecedented industrial expansion. Emerging from a depression practically world-wide in scope, industrial operations in this country entered a period of rapid growth which was maintained throughout the war and post-war years without important interruption.

A problem confronting business economists is to determine how much of the post-war industrial "drive" was due to normal growth factors and how much of it was caused by the backlog of war accumulated demand. While it is true that the greatest demand accumulation took place in housing and consumer durables, non-durables such as textiles and clothing also started the post-war period with a sizeable backlog of unfilled demand. It is now becoming apparent, after the vigorous pace of business following the outbreak of hostilities in Korea, that a considerable portion of this demand has been satisified and some industries, notably textiles, clothing, agricultural implements and some major appliances, are experiencing difficulties. However, overall prospects appear bright for the near future. The high level of capital investment during the past few years which increased productive capacity, is beginning to be reflected in current production statistics. Huge expansion and development programmes are still under way in iron ore, aluminum and other metals, oil, chemicals, electric power, and in a number of other industries. In addition, federal government expenditures for national defence should still exert some influence on the economic picture.

The volume of output of manufactures rose steeply after the outbreak of hostilities in 1939. Productive facilities responded quickly to the urgent requirements of the armed forces. In the early days of the war, production assignments allotted were comparatively simple, but as the pre-war weapons became obsolete and as Canada proved herself capable of turning out larger and more complex equipment, the assignments constantly shifted, changed and grew more difficult. The production figures merely suggest the magnitude of the achievement. They cannot describe the tremendous effort needed to convert a semi-agricultural country into a wartime arsenal nor the complications which arose because of shortages of man-power, tools and materials.

The productive peak was reached in 1944, when weapons, supplies and equipment were rolling off the assembly lines at record-breaking pace. The end of hostilities and the subsequent reconversion to peace-time production were attended with declines in output in 1945 and 1946. The upward trend was resumed, however, in 1947. The rate of advance slackened moderately in 1948 and 1949 but regained most of its 1947 impetus in 1950 when the renewal of hostilities in Korea resulted in heavy anticipatory buying on the part of consumers and in growing expenditures for national defence. A remarkable feature is that in 1953 the index of the volume of manufacturing production which stood at 126.4 had surpassed the record wartime level of 106.1 established in 1944. The following year there was a minor recession and the index dropped to 122.9. With the upturn in economic activity during 1955 and 1956 the index rose again to an all-time high of 145.1, exceeding the previous high of 1953 by 14.8 p.c. The downturn in manufacturing activity which began in the fall of 1957 continued throughout 1958. As a result the index dropped to 139.1 for 1958, a drop of 4.1 p.c. from the high attained in 1956.

TABLE 8. Indexes of the Total Volume of Manufacturing Production, classified on the Basis of Durable and Non-Durable Goods, 1935–58

(1949 = 100)

Year	All manufactures	Non-durable manufactures	Durable manufactures	Year	All manufactures	Non-durable manufactures	Durable manufactures
1935 1936 1937 1937 1938 1939 1940 1941 1942 1942 1943 1944 1944 1945	39.0 43.0 49.2 45.3 48.7 60.4 78.7 96.1 104.0 106.1 92.9 85.2	44. 1 48. 1 52. 8 49. 0 53. 7 61. 6 73. 7 84. 3 85. 9 89. 5 88. 2 89. 8	32.7 36.9 44.9 40.9 42.7 59.3 85.8 112.1 128.2 128.3 99.8 79.9	1947 1948 1949 1950 1951 1952 1953 1954 1954 1955 1956 1957	93. 2 97. 3 100. 0 106. 2 115. 0 118. 5 126. 4 122. 9 134. 7 145. 1 142. 9 139. 1	93. 2 96. 3 100. 0 106. 0 110. 8 113. 2 120. 2 121. 2 130. 4 138. 1 139. 7	93.3 98.4 100.0 106.5 119.9 124.8 133.6 124.8 139.7 153.3 146.7 138.6

Non-durable Manufactures

The trend of output in the non-durable sector of manufacturing was visibly smoother than in the durable sector. Except for two years, 1938 and 1945, there has been no interruption in the upward movement of production during the period under review. Despite the fact that war contracts quickened the pace of output in some of the industries, production continued to expand after the war, although at a slower rate. Unlike durable goods, non-durable commodities are mostly consumers' goods and are less influenced by sudden changes in the international situation or the capital investment programmes of producers

and governments. By 1957 the non-durable index had reached 139.7, the highest on record. In 1958 it declined fractionally to 139.5.

The production of **Processed Foods and Beverages** rose practically without pause throughout the period. A characteristic of most industries processing foods is the high ratio of the value of materials consumed to the value of products, indicating a relatively low degree of fabrication per unit of output. The volume of processed foods manufactured increased by a third since 1949 as compared with an increase of 23 p.c. in population. The per capita increase in the use of processed foods

is due mainly to the high level of economic activity with the resultant increase in personal income during the period. All industries in the food group, with the exception of flour mills, reported increased volume since 1949, ranging from a high of 70.4 p.c. for fruit and vegetable preparations to a low of 11.8 p.c. for confectionery. The decline of 3.3 p.c. in the output of the flour milling industry is due to a decline in export shipments and not to a drop in domestic consumption. In all probability the consumption domestically of flour and other products of the industry increased as well.

The advance in the production of Beverages was also practically uninterrupted from 1949 to the present. The increase in the volume was 44.7 p.c. which was 5.7 p.c. higher than the increase in the volume of processed foods. The greatest increase in the beverage group was reported by distilleries with a 79 p.c. increase in volume. This does not represent the increase in the domestic consumption of alcoholic beverages since this industry, too, exports a substantial part of its production, exports of whisky rising from 4,149,473 proof gallons in 1949 to 8,267,521 proof gallons in 1958. The brewing and carbonated beverages industries also reported substantial increases in volume since 1949, the increase being 35.2 and 34.1 p.c. respectively. In the case of these products the increases represent increased consumption in Canada, as the export trade is insignificant. Wine production, after reaching a peak in 1950, dropped about 14 p.c. in the following three years. There was a recovery in 1954 which continued until 1958, with the result that the volume of the industry advanced about 40 p.c. between 1949 and 1958.

The great demand for cigarettes for members of the armed forces during the war contributed largely to the considerable increase in the **Tobacco Products** index which reached the record level of 103.2 in 1945. The index dropped to 90.6 the following year, but rose gradually thereafter to 103.4 in 1950. Weakening demand led to a decline of 8 per cent in 1951. Rapid recovery was made during the next seven years with the index rising to 173.2 in 1958, highest on record.

The contribution of the Rubber Products industry to the war effort was mainly in the form of tires and tubes for military vehicles and aircraft. Production of passenger car tires and tubes was sharply curtailed as was the output of rubber footwear. After a marked increase in 1941, the index remained more or less stationary at around 85 until 1945 when civilian production was resumed and the index jumped to 102.1. The industry-wide strike in 1946 contributed to a decline in that year, but record-breaking demand for the industry's output led to sharp advances in the following years, and in 1951 the index had reached the maximum level of 124.9. During the next few years the index fluctuated moderately and in 1955 it took a sharp upward swing which continued during 1956. This brought the index to 154.0, the highest on record. Volume output declined during 1957 and 1958, with the index dropping to 137.2.

Output of Leather Products rose steadily until 1946 when the index reached a high point of 124.0. The subsequent easing of foreign demand for the industry's products contributed to the gradual decline of production in the post-war period with the result that this and the clothing group show the second smallest growth of any in the manufacturing sector. In 1958, volume of output was only 14.4 per cent greater than in the base period. Production of leather tanneries in 1954 was actually 6.0 p.c. lower than in 1949, while the output of boots and shoes was only 4 per cent higher. Some recovery was made between 1955 and 1957, the output of tanneries increasing 9 p.c. and footwear 23 p.c. over the base period. Since 1946 the overall index of this group dropped 8 p.c.

The Textile industries reached their maximum wartime level of output in 1942 when the index stood at 102.0, Production then fell off gradually until 1946 but recovered sharply in the post-war period to an index level of 113.1 in 1951. A slackening of demand for textiles during the next few years saw the index drop to 102.9 in 1952 with another sharp drop to 94.3 in 1954. Of all the industries of the non-durable goods sector, textiles were the hardest hit by the downturn in manufacturing activity in 1954. There was substantial recovery between 1955 and 1957, with the index rising to an all-time high of 117.6. There was another decline in volume in 1958 to 109.5 and as a result of this the textile group since 1949 reported the smallest increase in physical output of any group in both the durable and non-durable classification. The move-

ment of individual industries within the group varied over the period under review. The greatest advance in volume of production since 1949 was achieved by the synthetic textiles and silk industry, the index in 1958 standing at 151.5. Miscellaneous textiles which includes cordage, rope and twine as well as carpets, mats and rugs recorded the second highest increase of 15.3 p.c. The production of both cotton and woollen goods in 1958 was much lower than in 1949. Cotton goods, after experiencing varied fluctuations in production ended 1957 with no change in volume, the index being 100, the same as in 1949. In 1958, however, there was another sharp decline, the index dropping to 90.2. In the case of woollen goods the decline since 1949 was more severe, the index reaching 74.2 in 1958, only 2.2 points higher than the post-war low of 72.0 attained in 1954.

The trend of production since 1935 was similar for both the cotton and woollen goods industries. Before the war both groups expanded moderately and in both cases a major recession occurred in 1938. With the outbreak of war in 1939 there was a marked increase in production, with record highs being reached in 1942 when the respective indexes were 128.2 and 111.3. There was thus an increase of 63 p.c. in the output of cotton goods and 71 p.c. in woollen goods between 1939 and 1942. With the end of the war the production of both cotton and woollen goods declined sharply to a post-war low in 1954 when the index for cotton goods dropped to 86.7 and for woollen goods to 72.0. Some recovery took place during 1955, 1956 and 1957, the index rising to 100 in the case of cotton goods and 86.9 for woollen goods. In 1958 there was another decline and the indexes dropped to 90.2 and 74.2 respectively.

Since 1938 the production index for **Synthetic Textiles** showed an unbroken record of increases and in 1951 stood at 134.0. The adverse conditions prevailing in the textile industry generally during the following few years also affected the output of synthetic textiles so that by 1954 the index stood at 108.7. There was a marked recovery the following year which continued throughout 1956 and 1957. By the end of 1957 the index which reached 156.6 was the highest on record. The moderate decline of 1958 lowered the index to 151.5. Much of the credit increasing consumer acceptance of synthetics belongs to the achievements of research in improving manufacturing and dyeing techniques and in the development of new combinations of various fibres with a new range of qualities and practical applications.

Synthetic fibres are now being used in the fabrication of a host of commodities such as suitings, overcoatings, blankets, carpets, draperies, upholstery products, tire fabrics, etc., in addition to hosiery, dress fabrics and other women's wear. Moreover, Canadian producers are now supplying the bulk of domestic synthetic raw material requirements which were formerly imported from the United States. As a result, new investment outlays by the industry have increased considerably in the post-war period.

The trend in the physical output of clothing was similar to that of other textiles, the production index reaching a peak of 100.9 in 1942, then declining gradually until 1945. Since then output fluctuated within narrow limits. For the clothing group as a whole there was an increase of 14.4 p.c. in volume of production since 1949. This is the second smallest increase reported by any group in both the durable and non-durable classifications. The leather and textile groups, as mentioned previously, were the only other groups to report such moderate increases in volume. For leather the increase was 14.4 p.c. and for textiles 9.5 p.c. The trend of production varied from industry to industry in the clothing group. The output of knitted goods since 1949 was 26.4 p.c. higher. Men's, women's and children's clothing gained 10.6 p.c. while miscellaneous clothing which includes corsets, fur goods, hats and caps, etc. advanced 10.4 p.c. These increases are significant when compared with the 27 p.c. increase in population during the same period. The industry is now facing keen competition and a more selective retail demand. By improving manufacturing methods and styling, the industry hopes to make available more desirable merchandise at lower prices. Weak demand contributed to a marked decline in the level of new investment in durable physical assets.

Production by the industries of the **Paper Products** group expanded almost uninterruptedly during the period under review. The post-war period saw a sharp advance in output, the index rising to 81.0 in 1946 from an annual average of about 55 during

the previous decade. From then on there was, with but two exceptions, a continuous expansion to 138.4 in 1958. Activity in this sector of manufacturing in influenced mainly by the "Pulp and Paper" industry, which, in terms of value added, is the most important single manufacturing industry. In the last few years, the net value contributed by pulp and paper mills was almost twice that of any other industry. The growth of this industry during the period under review was characterized by two distinct phases. From 1935 to the end of the war, new investment by the industry was designed mainly to replace worn-out machinery and equipment and increases in output were principally the result of utilizing idle capacity after the depression of the thirties. Since 1945, however, with strong world demand for wood pulp and newsprint, together with the availability of necessary materials for expansion, the construction of new plant and the installation of new machinery and equipment reached record proportions. Investment in new plant and equipment, which averaged \$105 million during the previous three years dropped to \$69 million in 1954, a decrease of \$36 million from the record high reported in 1952. Capital investment which reached the unprecedented total of \$240 million in 1956 and \$234 million in 1957 dropped to 107 million in 1958.

Newsprint, pulp and paper board are the leading products of the pulp and paper industry. Production of newsprint in 1958 totalled 6,030,930 tons of which 5,682,832 tons were exported. Canada is thus the leading exporter of newsprint in the world. World exports of newsprint in 1954 are estimated at 6,788,000 tons, with Canada accounting for 81.3 p.c. of the total. Finland, Sweden and Norway, in the order named, are other substantial exporters of newsprint and between them have accounted for 10.5 p.c. of the total. Newsprint is also Canada's leading export and 1958 was valued at \$690,209,468.

The **Printing and Publishing** industries expanded very little during the war years. Production grew rapidly after the end of hostilities and in 1957, volume of output was 151 p.c. greater than in the five pre-war years, although this represents a substantially smaller advance than total manufacturing. The post-war increase coincided with the gain in the value of new investment which was mainly in the form of machinery and equipment to make up for deficiencies dating back to the depressed thirties and the war years, Investment in fixed assets totalled \$16 million in 1953 and \$30 million per annum in 1954 to 1958 as compared with only about \$2 million in 1944.

With few interruptions, output of Petroleum and Coal products rose steadily over the period under review to an index of 216.8 in 1958. The petroleum refining industry which contributes 93 p.c. of the total for the group experienced a recordbreaking post-war demand for gasoline and fuel oil so that by

1958 the production index stood at 232.7, compared with the wartime high of 69.0 in 1944. The other major industry of the group, viz., coke and gas products also reported increased output but not to the same extent as petroleum refining. In recent years the industry has added substantially to its refining cepacity. From 1947 to 1951 expenditures for new plant, machanery and equipment which averaged more than \$37 million per annum rose to \$84 million during 1952, 1953 and 1954 and to \$110 million in 1955, to 1958. Some of this rapid growth is associated with the remarkable progress made in the exploitation of western crude oil reserves. In 1958 oil from domestic wells represented 56 per cent of the total consumed by Canadian refineries. This compares with a contribution of 22 per cent in 1949.

Output of Chemical Products which include ammunition and explosives reached a record-high level in 1944 when the index stood at 143. Production in the post-war period has been at a considerably lower level, but increased significantly since 1950, with the advent of the defence programme. The index in 1957 stood at 187. The expansion of the industry during the war made possible the manufacture of many products which were formerly imported. In addition, several entirely new products, such as synthetic rubber, were introduced. Demand for these commodities continued in the post-war period and the development of new sources of basic materials, together with the progress of research into additional commercial uses for these new compounds resulted in further expansion of production for civilian use.

The rapid wartime advance was mainly the result of the enlargement of the munition programme with the government and private industry combining forces in the construction of a huge explosives and ammunition-filling industry. At its peak in 1943, the production index for Explosives and Ammunition was 20 times higher than in the five year period preceding the war. With the end of the war output dropped very rapidly, the products made being mainly for peace-time use, such as explosives for the mining and construction industries.

Since the Government-owned Polymer Corporation began producing Synthetic Rubber in 1943, output of this important commodity has expanded considerably, to a total of 149,600 tons in 1958. Production declined somewhat in 1947 and 1948 when imports of natural rubber were resumed, but recovered strongly to record levels since 1950, as the defence programme gathered momentum and as the rubber requirements of the motor vehicles industry rose to a new maximum. During 1958, synthetic rubber accounted for 47 per cent of total new rubber consumed in Canada. This commodity is classified to the Miscellaneous Chemicals industry.

TABLE 9. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Non-Durable Manufactures Classification, 1935-58

Non-durable manufactures Printing Products Chemicals Year Clothing Miscel-Reverand Ruhher T.eather products (except Paper and Foods (textile laneous and allied petroleum tobacco ages products products and fur) industries clothing) products trades and coal products 1935 51.2 56.6 58.7 59.0 31.1 35.7 41.4 45.9 49.8 54.5 70.8 49.7 55.5 59.8 48.1 38, 6 50. 2 53. 2 56. 5 31.4 33.7 39.3 71. 1 78. 1 60.5 42.4 40.8 34.3 37.1 65. 3 61. 3 67. 3 78. 2 37. 8 37. 1 63.6 1937 39.3 45.2 44. 4 48. 1 37.9 40.7 68.9 36.9 1938 59. 5 81. 8 91. 7 102. 0 1939 63.0 49. 2 60.4 80.3 54.7 38.6 49.8 42.6 54.3 61.6 61.5 53.6 68. 5 79. 5 45.5 52.9 53.1 66.0 87.5 85.7 104.2 1940 60. 6 61. 2 59. 7 88. 4 100. 9 61.1 126.5 88.5 60. 8 56. 6 66. 7 110.8 111.6 1942 83.4 89.9 76.0 85.3 83.3 97.7 91.7 91.4 95.3 92.2 60.0 1943 93.8 65.1 135.1 82.3 61. 4 67. 3 76. 9 87. 9 87. 5 88. 7 94. 0 142.8 97. 7 98. 7 73.6 1944 84. 4 102. 1 110.5 63.9 71.9 74.3 79.8 107. 1 87. 0 90. 8 98. 3 80. 2 84. 1 71. 8 82. 2 87. 3 95. 3 1945 103.2 114.5 124. 0 109. 1 95. 5 90.6 81.0 103.0 89. 5 83.6 1947 1948 127. 4 116. 4 100. 0 89.1 100.4 97.3 100.0 97.6 100.0 94. 9 100. 0 89.9 100.0 95.7 100.0 93.4 99.5 100.0 100.0 1949 100.0 100.0 112.5 113.1 102.9 107.9 109.3 117.5 113.4 101.5 111.9 128.5 107.7 120.0 104.8 119.0 101.3 104.4 103.4 95.0 116.8 95.6 102.1 101. 2 111. 4 115. 0 107.0 106. 2 124.9 90.4 105.1 107.5 114.7 140.1 122.3 139.9 118.9 130.3 1952 115.5 108.0 118. 1 124. 1 131. 0 137. 8 135. 5 153.5 165.0 141.1 120.3 106.4 1953 115.1 124.6 94.3 114.0 117.3 117.6 121.6 127.1 137.3 134. 3 121. 7 130. 6 100. 2 106. 9 108.9 119.2 120.2 112.8 117.6 165. 5 174. 8 136. 4 147. 0 141.0 154.0 188.3 125.6 131.4 133.2 135.5 145.9 138. 4 143. 2 144. 7 216.1 1956 161.0 147.8 115.6 116.8 114.4 138.4 134.4 216.8 186.5 139.0 137.2 173.2

(1949 = 100)

Durable Manufactures

The tremendous increase in physical output during the war years was mostly concentrated in the durable goods sector. When war was declared in September, 1939, there were virtually no armament works, no production of large ships and large planes, no guns, no tanks. Within a few years Canadian plants were turning out naval and merchant ships, warplanes ranging up to the 15-ton Lancaster bomber, military vehicles, millions of rounds of ammunition and hundreds of other war items. By 1944 the volume index of durable manufactures reached a peak of 128.3. During the following two years it declined sharply and stood at 79.9 in 1946. Since then it has regained the lost ground, reaching an all-time high of 153.3 in 1956, 19.5 p.c. above the war-time peak of 128.3. In 1957 and 1958 there was another decline, with the index dropping to 138.6.

The largest gain during the war years occurred in the output of Transportation Equipment. Due principally to the tremendous increases in production of ships and aircraft, the index for this group of industries rose to the record level of 236 in 1944, the year of maximum war production. After reaching a post-war low of 81 in 1946, the index rose moderately during the next three years, but, spurred by the great demand for passenger cars and by the renewal of defence production. marked gains were made since 1950, with the index climbing to 165 in 1953. The minor recession in industrial production in 1954 affected this group more than any other. The index dropped to 137, a decline of 16.9 p.c. as compared with the previous year. The recovery in production during the next two years brought the index up to 157.9 in 1956. The minor recession which commenced in the latter part of the year lowered the index to 150.7 in 1957 and 130.8 in 1958.

The Iron and Steel group of industries was also considerably affected by war requirements. As most of the industries in this sector were more firmly established in the pre-war period, they did not expand relatively to the same extent as shipbuilding and aircraft. Production for the group as a whole reached a maximum of 132 in 1943 and with the end of the war dropped to an average of 88. Recovery which commenced in 1947 continued with but few interruptions to an all-time high of 145 in 1956. The general downward trend in manufacturing production which began in the fall of 1957 pulled the index for the iron and steel group down to 140 in 1957 and 126 in 1958. When European supplies were cut off early in the war, the Canadian basic steel industry had to rely on the United States for a greater supply and had to increase its own steel-making capacity to meet abnormal wartime requirements. However, development of the industry did not halt with end of hostilities. Canada's industrialization programme, together with strong post-war demand for consumers' durable goods, led to steady expansion of the industry so that by 1951, the index for the primary iron and steel industry stood at 129. Due to the contraction in the demand for durable goods in 1954 the index for the group dropped sharply to 95, down to about the 1947 level. Rapid recovery was made during the following two years, with the index rising to 158 in 1956, the highest on record. The easing in demand during 1957 and 1958 again lowered the index to 122, to about the 1942 level which was the record war year. The output of pig iron and steel ingots and castings expanded considerably since 1939 when the production of pig iron totalled 755,731 tons and steel ingots and castings 1,551,054 tons. The record output of pig iron viz. 3,718,350 tons was reached in 1957, while for steel ingots and castings the record year was 1956 when output reached 5,301,202 tons. Production of pig iron in 1958 dropped to 3,059,579 tons and steel ingots and castings to 4,359,466 tons. The additional capacity constructed during the past few years should reduce still further the country's dependence on United States imports of finished and semi-finished iron and steel shapes. Indicative of the rapid growth of the industry in recent years is the amount of funds expended for new plant, machinery and equipment. From an average annual expenditure of \$62 million during the previous five years new investment jumped to \$136 million in 1952 and \$114 million in 1953. New investment in 1954 and 1955 averaged \$92 million and in 1956 and 1957 reached the record average of \$171 million per annum. Expenditures eased off in 1958 to \$126 millions.

To meet the need for electrical and radar equipment and signalling devices, the Electrical Apparatus and Supplies industry manufactured articles during the war which were previously not made in Canada. Output of civilian radio receiving sets and appliances was severely curtailed as the industry converted the major part of its productive capacity to the manufacture of war instruments. The production index reached a wartime peak of 86 in 1944 and declined during the next two years. The industry recovered rapidly, however, as a result of accumulated demand for radios, consumers' appliances and heavy electrical equipment, and by 1952 the index had jumped 84 per cent from its 1946 post-war low, to a level of 125. Due mainly to the heavy demand for television sets, the index in 1953 advanced sharply to 151, an increase of 21 per cent over the previous year. The advance continued throughout the next three years and the index rose to an all-time high of 191 in 1956. Following the general trend of moderate declines in the output of durable goods, the index slipped to 175.5 in 1958.

Production in the Non-ferrous Metals group of industries reached a wartime maximum in 1943 when the net index stood at 146. During the next three years, output dropped 44 per cent, but recovered steadily thereafter, backed by sustained demand for base metals. In 1958 the index stood at 126, a decrease of 13.7 p.c. from the war-time high of 146. Aluminum which is an important component of the group is being fabricated into an ever-increasing variety of commodities, and production of aluminum bars and rods, sheets, shapes, etc., reached record proportions in the post-war period. During the war years, aluminum sheet production was of a strong alloy type used principally in aircraft construction and required more fabricating than the regular type of sheet used in the production of cooking utensils and other civilian items.

Military requirements did not affect the nature of output in the Non-metallic Mineral products group of industries. In war or peace, the bulk of production consists of construction materials such as cement, cement products, building brick, lime and gypsum products, glass, stone products, etc. During the war, under government control, a major proportion of these industries' products were channelled into construction of new war production plants, extensions to pre-war plants, housing for war workers and the building of training and operation facilities for the armed services. No serious reconversion problems were encountered by the non-metal industries immediately following the war. After a slight pause, following the peak of wartime output, plants turned their productive capacity towards meeting the unprecedented demands of the post-war construction boom. From a wartime maximum of 69 in 1943, the volume index dropped moderately in 1944 and 1945, but rose steeply in succeeding years to reach the record level of 206 in 1958.

In the durables sector, the Wood-using industries were the least affected by the war. The volume of output of wood products expanded steadily without serious interruption throughout the war and post-war years. In 1953 the index stood at 125, the highest on record. In 1954 the index declined fractionally to 124, but advanced sharply the following two years to an all-time high of 138 in 1956. In 1957, due to the continued decline in exports, the index dropped to 125, the 1953 level. With the improvement in export demand in 1958 the index rose again to 131. The two most important industries are "sawmills" and "furniture". The index representing the former, after reaching a war-time maximum of 90 in 1942, declined considerably in 1943, and hovered around 79 during the next two years. Beginning with 1946 output rose sharply, spurred by strong foreign demand for sawn lumber, and by 1955 the index had advanced to 134, the all-time high. Exports of planks and boards, shingles, veneer and plywood were considerably lower in 1956 and 1957. This is reflected in the moderate decline of the index to 131 in 1956 and a sharper decline to 115 in 1957 and 1958. Production in the furniture industry expanded throughout the period under review. The great increase in residential construction in the post-war period, together with the marked gain in new family formations created a boom for producers of house furnishings. Output of furniture jumped sharply in the three years immediately following the end of the war and rose more gradually during the subsequent years, reaching an all-time high of 143 in 1958.

TABLE 10. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Durable Manufactures Classification, 1935-58

(1949 = 100)

			Durable ma	nufactures		
Year	Wood products	Iron and steel products	Trans- portation equipment	Non-ferrous metal products	Electrical apparatus and supplies	Non-metallic mineral products
1935	42.3	29,2	34.2	40.1	22.9	24.6
1936	47.5	33.8	35.5	46.7	25.0	29.8
1937	53.6	42.9	43.4	54.4	32.5	38.2
1938	50.7	36,6	38,1	55.8	28.0	34.3
1939	54,0	39.1	37.7	58.4	28, 4	35.7
1940	65. 5	58.9	61.1	70.5	41.9	45.0
1941	74.5	86.4	106.1	98.9	61.8	60.1
1942	77.4	114.7	157. 1	130.4	74.9	68.2
1943	73.6	131.6	198.4	145.6	85. 0	68.8
1944	76.1	118.4	235.7	130.9	85.5	66.8
1945	77.2	96.3	157.0	98.8	70.7	63.7
1946	86.8	80.8	80.6	81.8	67.7	72.0
1947	98, 2	93.6	95.3	89.6	89.6	86.3
1948	100.6	101.5	97.2	99.2	91.5	92.2
1949	100.0	100.0	100.0	100.0	100.0	100.0
1950	108.2	102.5	108.3	104.0	112.5	111.0
1951	114.8	117.0	131.3	114, 1	120.7	119.8
1952	115.8	118.9	149.1	112. 2	124.5	122.8
1953	125.4	115.3	165.2	120.1	150.9	139.2
1954	124.2	106.2	137.3	117.0	151.7	146.1
1955	136.4	123.8	145.1	127.5	176.2	171.1
1956	138.3	145.3	157.9	133.0	191.3	191.5
1957	127.3	139.6	151.2	127.6	183.6	191.3
1958	131.1	126.4	130.8	125.8	175.5	205.9

SECTION 3. PRODUCTION BY INDUSTRIAL GROUPS AND INDIVIDUAL INDUSTRIES

Subsection 1. Manufactures Grouped on the Standard Classification Basis

In interpreting the statistics of individual industries, it should be remembered that the figures on employment, production, etc., do not refer to individual products but to all the products made in an industry. For example, the value of production of the confectionery industry, amounting to \$140,707,096 in 1958, does not imply that this was the value of confectionery produced. What it means is that the firms whose principal product is confectionery had a value of production of \$140,707,096. This figure, in addition to confectionery, includes all the subsidiary products made by these firms, such as ice cream, macaroni, peanut butter, syrups, bakery products, etc. which amounted to \$46,344,264 in 1958.

Confectionery is also produced as a subsidiary product by firms credited to other industrial classifications. For total production figures of individual products, reference should be made to "The Alphabetical List of Products" published annually as Appendix II to this report.

Table 11 presents for the year 1958 detailed statistics regarding the individual industries under which all industrial plants in Canada are classified. The industries are further assembled under seventeen main groups according to the Standard Industrial Classification.

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1958

_				lustries,	office employees1		Production	workers
	Provinces	Estab- lish- ments						
No.			Male	Female	Salaries \$	Male	Female	Wages \$
	Province		Humber	1	•	Itui	ibei	•
1 2 3 4 5 6 7 8 9 10 11	Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Canada	768 179 1, 297 939 11, 828 13, 276 1, 634 970 1, 762 4, 072 16 36, 741	1,805 316 3,882 2,582 70,149 110,994 6,701 2,583 7,053 15,790 26 221,881	305 83 1,142 853 26,958 45,721 2,616 908 2,347 5,046 7	6,831,806 997,574 18,280,311 12,847,300 458,439,042 779,108,028 38,835,845 12,804,725 40,237,629 100,784,466 157,555 1,469,324,281	6,575 881 20,430 14,523 241,942 359,381 25,576 7,778 24,670 70,445 96 772,297	919 352 3,556 2.786 90,309 90,266 7,489 1,014 3,790 8,941 16 209,438	22, 401, 763 2, 392, 411 67, 725, 242 48, 229, 871 1, 018, 166, 866 1, 633, 546, 624 104, 023, 640 30, 423, 667 99, 897, 550 305, 843, 743 520, 602 3, 333, 171, 979
	Industrial group							
13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 30	Foods and beverages Tobacco and tobacco products Rubber products Leather products Clothing Wood products Paper products Paper products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	8, 417 40 89 598 903 321 2, 460 9, 848 562 4, 433 3, 254 626 593 492 1, 248 115 1, 143 1, 599	27, 664 919 3, 704 2,580 8, 737 1, 398 6, 967 19, 044 13, 250 17, 423 33, 497 25, 657 9, 348 19, 762 6, 481 5, 257 13, 802 6, 391	11, 544 505 1, 492 1, 313 4, 349 1, 135 4, 512 3, 729 4, 760 11, 569 11, 123 6, 729 2, 907 6, 795 1, 831 1, 681 6, 868 3, 144	164, 654, 514 7, 878, 074 24, 310, 958 17, 329, 989 60, 676, 924 10, 538, 803 52, 850, 747 79, 349, 702 104, 712, 689 118, 214, 851 224, 200, 409 172, 865, 028 67, 159, 801 137, 459, 083 39, 926, 462 36, 789, 304 104, 224, 557 44, 165, 386	114, 427 3, 585 11, 726 14, 525 32, 747 5, 475 20, 693 92, 664 66, 532 34, 523 128, 426 90, 596 36, 321 33, 979 30, 590 10, 429 28, 178 16, 881	36,810 5,310 3,021 11,733 17,639 12,928 55,568 8,393 8,706 6,394 2,725 14,408 1,956 60 5,722 9,586	458, 635, 082 29, 265, 528 52, 134, 045 61, 353, 810 132, 651, 024 39, 290, 366 165, 122, 138 290, 231, 847 304, 865, 546 169, 756, 394 532, 972, 825 380, 560, 504 159, 454, 671 178, 898, 690 121, 885, 165 50, 701, 202 129, 577, 773 75, 815, 369
	1. Foods and beverages:							
31 32	Bakery products: Biscuits Bread and other bakery products	43 2,637	448 3,881	263 1,231	3,059,887 18,059,471	2,150 22,837	3,053 7,669	12, 926, 205 88, 909, 301
33 34 35 36	Beverages: Breweries Carbonated beverages Distilled liquors Wines	55 537 21 19	1,445 1,834 756 120	467 704 349 51	11, 434, 301 11, 682, 961 5, 613, 116 1, 078, 166	6,186 4,603 2,602 314	50 340 1,329 39	26,274,556 13,859,046 14,885,333 1,288,645
37 38	Canning and processing: Fish processing Fruit and vegetable preparations	431 396	1,277 1,980	307 1,103	5,889,019 13,343,388	8, 021 6, 785	3,588 6,299	22, 478, 405 30, 101, 165
39 40 41 42 43	Dairy products: Butter and cheese Cheese process Concentrated milk products Dairy products, other Milk pasteurizing	1,222 13 28 38 643	3,124 220 217 152 1,264	1,820 119 103 64 440	16, 252, 927 1,591, 870 1,352, 968 893, 797 6,530, 137	15, 163 540 1, 309 433 6, 763	772 359 61 130	52, 780, 764 2, 978, 506 4, 602, 599 1, 708, 460 23, 563, 373
44 45 46 47	Grain mill products: Feeds, stock and poultry, prepared Feed mills Flour mills Flour skifast	891 518 71 19	1,460 526 1,004 158	518 71 431 100	6,846,486 1,385,790 5,675,117 1,233,228	4,559 893 2,843 708	118 2 134 382	13,691,727 2,133,365 10,274,019 4,002,049
48 49 50	Meat products: Animal oils, and fats Sausage and sausage casings Slaughtering and meat packing	18 100 178	67 290 4,333	20 83 1,431	449,575 1,615,188 26,929,123	289 842 16, 114	2 403 3,834	1,001,704 3,547,106 75,747,513
51 52 53 54 55	Other food industries: Confectionery Macaroni and kindred products Sugar refining Miscellaneous food preparations Totals	210 19 11 299 8,417	813 77 481 1,737 27,664	624 45 132 1,068	5,920,542 584,337 3,124,703 14,108,417 164,654,514	3,591 423 2,385 4,074 114,427	4,742 233 272 2,873 36,810	20, 441, 598 1, 602, 453 9, 548, 433 20, 288, 757 458, 635, 082
	2. Tobacco and tobacco products:						,	201, 300, 000
56 57 58	Tobacco, cigars and cigarettes Tobacco processing and packing Totals	25 15 40	713 206 919	474 31 - 505	6,583,904 1,294,170 7,878,074	2,703 882 3,585	4,586 724 5,310	25, 560, 404 3, 705, 124 29, 265, 528
	3. Rubber products:							
59 60	Rubber goods, including footwear Totals	89 89	3,704 3,704	1,492 1,492	24, 310, 958 24, 310, 958	11,726 11,726	3,021 3,021	52, 134, 045 52, 134, 045

¹ Includes about 25,000 "Working proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1958

		of the manufacturi	ing Industries, 1958			
Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
9,604 1,632 29,010 20,744 429,358 606,362 42,382 12,283 37,860 100,222 145 1,289,602	29, 233, 569 3, 389, 985 86, 005, 553 61, 077, 171 1, 476, 605, 908 2, 412, 654, 652 142, 859, 485 43, 228, 392 140, 135, 179 406, 628, 209 678, 157 4, 802, 496, 260	6,902,719 419,442 14,054,891 13,162,126 183,376,483 241,899,519 12,909,365 8,945,126 16,705,681 50,556,981 376,199 549,308,532	52,156,291 19,203,457 217,263,603 170,560,975 3,597,784,845 5,704,319,497 397,453,172 198,833,974 495,311,847 965,939,626 2,740,184	58,044,514 7,266,497 176,997,949 130,668,021 2,970,774,755 4,914,073,665 284,367,542 122,394,168 339,439,455 786,620,211 859,154 9,792,505,931	116,979,200 26,887,728 411,929,247 312,021,817 6,754,798,278 10,884,028,332 694,051,323 331,298,441 848,251,994 1,798,960,459 3,979,489 22,163,186,308	1 2 3 4 5 6 7 8 9 10 11 12
190, 445 10, 319 19, 943 30, 151 63, 472 20, 936 87, 740 120, 922 92, 935 72, 221 179, 440 125, 976 51, 301 74, 944 40, 858 17, 427 54, 570 36, 002	623, 289, 596 37, 143, 602 76, 445, 003 78, 683, 799 193, 327, 948 49, 829, 169 217, 972, 885 369, 581, 549 409, 578, 235 287, 971, 245 757, 173, 234 553, 425, 532 226, 614, 472 316, 357, 773 161, 811, 627 89, 490, 506 233, 819, 330 119, 980, 755	66, 880, 948 901, 382 5, 029, 413 2, 274, 407 14, 940, 283 1, 861, 431 3, 159, 618 20, 833, 502 110, 388, 361 5, 819, 750 56, 555, 164 20, 750, 149 69, 760, 442 9, 191, 597 52, 175, 207 56, 400, 810 47, 836, 871 4, 569, 197	2, 939, 312, 503 206, 043, 534 128, 572, 616 124, 663, 736 394, 621, 103 88, 610, 388 389, 243, 696 717, 462, 536 883, 156, 058 248, 244, 058 1, 270, 710, 220 1, 153, 569, 387 930, 931, 154 473, 902, 660 218, 683, 344 894, 457, 513 589, 315, 994 170, 066, 471	1,536,379,118 98,917,748 174,828,149 119,088,395 322,533,105 83,975,480 355,056,972 605,677,512 910,693,148 509,064,570 1,364,093,479 883,507,106 534,066,580 523,826,941 369,872,669 515,473,433 664,853,235 220,598,291	4,528,889,289 305,138,636 308,383,196 246,826,765 738,690,714 173,576,575 748,309,459 1,343,593,579 1,889,460,393 762,103,369 2,705,682,799 2,075,907,784 1,531,197,041 1,015,416,736 636,696,330 1,466,409,361 1,293,331,692 393,572,590	13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
5,914	15,986,092	1,078,498	38,010,904	41,505,215 172,605,555	80,612,444	31
35,618	106,968,772	11,039,506	157,267,880		340,918,015	32
8,148	37,708,857	3,181,897	55, 655, 573	172, 383, 258	232,353,488	33
7,481	25,542,007	3,796,801	45, 052, 949	102, 228, 171	150,957,146	34
5,036	20,498,449	2,632,738	55, 280, 000	104, 902, 541	158,475,648	35
524	2,366,811	165,210	7, 681, 190	10, 878, 135	17,825,250	36
13, 193	28,367,424	2,852,204	122,632,908	60,533,456	180,783,504	37
16, 167	43,444,553	3,522,540	174,886,029	97,959,887	276,697,891	38
20,879	69,033,691	10,065,220	390, 474, 716	118,079,130	522,792,666	39
1,238	4,570,376	178,918	27, 860, 277	6,757,567	34,834,242	40
1,690	5,955,567	1,986,535	82, 211, 325	20,465,185	105,227,281	41
779	2,602,257	358,140	7, 390, 905	5,964,822	13,746,534	42
8,593	30,093,510	3,831,070	93, 614, 119	47,646,232	145,100,413	43
6,655	20, 538, 213	3,474,474	193,728,346	55,314,719	251,753,902	44
1,492	3, 519, 155	651,207	25,756,840	6,828,625	33,158,358	45
4,412	15, 949, 136	1,818,495	173,438,129	43,364,618	218,321,216	46
1,348	5, 235, 277	472,574	13,862,283	21,810,942	35,900,579	47
378	1,451,279	348,023	3,647,463	3,510,100	7,381,294	48
1,618	5,162,294	483,337	20,694,265	11,093,288	32,116,232	49
25,712	102,676,636	6,157,552	852,842,056	196,229,499	1,050,461,233	50
9,770	26, 362, 140	1, 494, 736	73,712,223	66,012,005	140,707,096	51
778	2, 186, 790	217, 713	8,746,196	6,811,026	15,851,237	52
3,270	12, 673, 136	3, 131, 181	91,854,350	42,384,601	137,008,506	53
9,752	34, 397, 174	3, 942, 379	223,011,577	121,110,541	345,905,114	54
190,445	623, 289, 596	66, 880, 948	2,939,312,503	1,536,379,118	4,528,889,289	55
8,476	32, 144, 308	569, 450	108, 871, 666	88, 230, 628	196, 947, 716	56
1,843	4, 999, 294	331, 932	97, 171, 868	10, 687, 120	108, 190, 920 ²	57
10,319	37, 143, 602	901, 382	206, 043, 534	98, 917, 748	305, 138, 636	58
19,943	76,445,003	5,029,413	128, 572, 616	174, 828, 149	308, 383, 196	5 9
19,943	76,445,00 3	5,029,413	128, 572, 616	174, 828, 149	308 383, 196	

² Reported on a production basis.

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1958 — Continued

		Estab-	Administr	ative and off	fice employees1		Production v	vorkers
No.	Industries	lish- ments	Male	Female	Salaries	Male	Female	Wages
			number		8	nun	nber	\$
	4. Leather products:	0.48	1 000	0.45	10 545 510	0.015	0.001	00 505 544
1 2 3	Footwear, leather Gloves and mittens, leather Leather tanning	247 62	1,668 112	847 58	10,748,712 643,160	9,015 495	8,601 844	39,525,544 2,602,337
3	Leather tanning	50	294	143	2,415,531	2,978	299	10, 563, 248
4 5	Belting, leather Boot and shoe findings, leather	13 30	23 86	21 44	187,426 580,566	91 455	6 200	306, 425 1, 480, 875
6	Miscellaneous leather goods, n.e.s.	196	397	200	2,754,594	1,491	1,783	6,875,381
7	Totals	598	2,580	1,313	17, 329, 989	14,525	11, 733	61, 353, 810
	5. Textiles:							
0	Cotton goods:	13	105	92	009 174	180	406	1 010 250
8	Cotton thread Cotton yarn and cloth Miscellaneous cotton goods	48	125 2, 138	1,238	893,174 14,151,755	10,626	5,432	1,218,353 39,362,819
10		14	64	18	489, 262	433	71	1,517,649
11	Woollen goods: Woollen cloth	55	464	223	3,030,880	2,541	1,430	10, 115, 590
12 13	Woollen yarn	38 34	247 220	132	1,536,276 1,830,188	1,229 1,332	1,145 329	5,956,416 4,999,449
14	Synthetic textiles and silk	48	2,637	1,089	18,162,032	8, 295	2,415	31, 195, 174
15	Other primary textiles: Dyeing and finishing of textiles	56	334	111	2,058,128	1,317	260	4,612,869
16	Narrow fabrics	47	150	109	1, 208, 439	930	862	4, 512, 869
17	Other textile industries: Automobile accessories, fabric	21	124	62	903,723	282	459	2,095,373
18 19	Awnings, tents and sails Bags, cotton and jute	137 32	278 135	124 62	1,462,314 1,085,845	584 303	688 550	2,749,628 1,998,163
20	Carpets, mats and rugs	15 14	184 136	101 67	1,350,621 1,032,670	986 624	457 240	3,789,209 2,694,789
20 21 22 23	Embroidery, pleating, hemstitching, etc.	137	185	75	1, 148, 345	449	775	2,530,756
23	Oilcloth, linoleum and other coated fabrics Miscellaneous textiles, n.e.s.	19 175	758 558	288 464	5, 372, 158 4, 961, 114	1,701 935	155 1,965	6,534,649 6,686,875
25	Totals	903	8, 737	4,349	60, 676, 924	32,747	17,639	132, 651, 024
	6a. Knitting mills:							
26	Hosiery	147	573	410	4,038,510	2,833	4,897	17, 405, 220
27 28	Knitted goods Totals	174 321	825 1,398	725 1,135	6,500,293 10,538,803	2,642 5,475	8,031 12,928	21, 885, 146 39, 290, 366
	6b. Clothing:							
	Men's, women's and children's clothing:							
29 30	Clothing, children's, factory	186	462	359	3,658,095	1,267	5,778	13,322,568
31	Clothing, men's, factory	546 660	2,477 1,754	1,559 1,435	17, 854, 433 16, 914, 518	8,052 4,921	17,881 17,566	56, 159, 446 51, 555, 362
32 33	Clothing contractors, men's	145 145	239 180	71 65	1,086,175 776,482	1,283 313	3,357	8,306,307 5,538,465
	Miscellaneous clothing:							0,000,100
34 35	Corsets Fur dressing and dyeing	44 14	271 75	430 15	2,756,503 485,254	397 680	2, 903 138	6,115,532 2,439,445
36 37	Fur goods	493 12	891 36	227 40	4,858,051	1,980	1,228	10,074,811
38	Hats and caps	140	397	191	296, 106 2, 756, 603	92 1,361	501 2,124	7,990,918
39 40	Gloves and mittens, fabric Hats and caps Oiled and waterproofed clothing Clothing, n.e.s.	7 68	29 156	12 108	220, 176 1, 188, 351	90 257	152 800	586,407 2,146,337
41	Totals	2,460	6, 967	4,512	52, 850, 747	20, 693	55,568	165, 122, 138
	7. Wood products:							
42	Furniture	1,820	4,311	1,478	24,476,547	23,431	2,285	73, 330, 894
43	Saw and planing mills:							
44	Flooring, hardwood	26 1,555	141 3,124	50 621	1,032,505 14,754,830	1,255	71 142	3,443,589 40,004,356
45 46	Sawmills Veneer and plywood	5,769 71	9,143 862	847 239	25, 137, 947 6, 008, 166	37,531 8,198	242 1,507	117, 562, 097 31, 342, 586
47	Other wood industries: Beekeepers' and poultry men's supplies	7	11	3	21 507	20		70 500
48	Boxes and baskets, wood	158	374	99	31,567 1,708,300	36 2,325	3 357	79,580 6,429,216
49 50	Cooperage Excelsior	49	96 14	30	427,782 68,272	409 56	1 12	1,125,686 154,462
51 52	Lasts, trees and shoe findings	15 63	55 131	31 61	381,474 799,783	346	172	1,270,233
53	Woodenware	25	60	20	315,802	998 356	184	3,077,479 916,101
54 55	Wood turning Miscellaneous wood products n.e.s.	63 218	166 556	52 189	894, 614 3, 312, 113	1,050 2,604	105 265	2,681,546 8,814,022
56	Totals	9,848	19,044	3,729	79, 349, 702	92,664	5,485	290, 231, 847

¹ Includes about 25,000 "Working proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1958 — Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
number		1	dollars		
20,131	50, 274, 256	788,338	70,836,470	75, 268, 692	147, 242, 239
1,509	3, 245, 497	62,572	4,931,274	4, 866, 625	9, 951, 908
3,714	12, 978, 779	1,086,671	30,664,745	20, 349, 764	52, 392, 265
141	493, 851	26, 886	533,348	589, 279	1,138,717
785	2, 061, 441	99, 461	4,276,036	2, 965, 520	7,344,982
3,871	9, 629, 975	210, 479	13,421,863	15, 048, 515	28,756,654
30,151	78, 683, 799	2,274, 407	124,663,736	119, 088, 395	246,826,765
803	2,111,527	118,612	5, 294, 595	4,696,543	10,502,450
19,434	53,514,574	4,422,251	124, 740, 866	79,580,664	210,291,534
586	2,006,911	141,349	5, 246, 427	3,704,018	9,134,676
4,658	13,146,470	1,094,046	23, 316, 201	19,715,665	44,230,042
2,753	7,492,692	471,538	19, 113, 603	11,387,173	31,420,547
1,975	6,829,637	434,273	12, 175, 345	13,847,278	26,501,081
14,436	49,357,206	4,912,228	81, 967, 412	87,011,785	177,213,641
2, 022	6,670,997	932,521	4,723,232	10,301,746	15,955,090
2, 051	5,801,702	265,572	9,240,644	9,994,013	19,480,056
927	2, 999, 096	104, 128	7, 625, 579	5.054,276	12, 198, 665
1,674	4, 211, 942	180, 120	8, 902, 617	6,384,126	15, 525, 554
1,050	3, 084, 008	141, 068	20, 967, 580	5.800,693	26, 890, 123
1,728	5, 139, 830	386, 530	12, 102, 766	10,248,115	23, 627, 619
1,067	3, 727, 459	201, 695	8, 167, 755	7.336,468	15, 969, 624
1,484	3, 679, 101	80, 842	2, 529, 579	5,783,735	8, 392, 601
2,902	11, 906, 807	667, 641	21, 119, 350	18,691,209	40, 930, 445
3,922	11, 647, 989	385, 869	27, 387, 552	22,995,598	50, 426, 966
63,472	193, 327, 948	14, 940, 283	394, 621, 103	322,533,105	738, 690, 714
8,713	21, 443, 730	827,471	27, 280, 438	35,459,739	63,796,722
12,223	28, 385, 439	1,033,960	61, 329, 950	48,515,741	109,779,853
20,936	49, 829, 169	1,861,431	88, 610, 388	83,975,480	173,576,575
7,866	16,980,663	241,727	36,660,940	28,832,605	65, 493, 820
29,969	74,013,879	999,593	144,479,417	116,633,091	264, 293, 851
25,676	68,469,880	699,069	132,488,602	117,611,885	250, 457, 423
4,950	9,392,482	172,015	1,191,810	11,256,487	12, 611, 279
3,698	6,314,947	103,187	714,018	7,948,893	8, 785, 665
4,001	8,872,035	127, 385	12, 684, 558	18, 989, 504	31, 211, 587
908	2,924,699	112, 549	895, 585	4, 524, 486	5, 508, 408
4,326	14,932,862	316, 507	37, 667, 750	23, 185, 580	61, 124, 191
669	1,182,646	20, 436	2, 248, 695	2, 112, 340	4, 348, 761
4,073	10,747,521	285, 769	12, 528, 653	16, 542, 793	29, 272, 149
283	806,583	12, 302	1, 668, 185	1, 630, 790	3, 350, 529
1,321	3,334,688	69, 079	6, 015, 483	5, 788, 518	11, 851, 796
87,740	217,972,885	3, 159, 618	389, 243, 696	355, 056, 972	748, 309, 459
31,505	97, 807, 441	3,547,552	149, 036, 129	156, 566, 548	308, 815, 752
1,517	4,476,094	226,544	10, 115, 690	7, 252, 248	17,736,175
17,956	54,759,186	3,938,325	141, 193, 742	92, 918, 992	236,990,148
47,763	142,700,044	9,204,261	300, 342, 531	236, 752, 567	546,299,359 ²
10,806	37,350,752	1,922,919	66, 002, 164	61, 082, 494	129,954,480
53	111, 147	7, 811	176, 842	139,864	329, 335
3.155	8, 137, 516	477, 691	10, 490, 635	12,031,224	22, 963, 139
536	1, 553, 468	118, 066	3, 994, 877	2,038,287	6, 101, 242
91	222, 734	19, 660	219, 614	309,250	545, 786
604	1, 651, 707	53, 357	1, 906, 726	2,885,779	4, 821, 473
1,374	3, 877, 262	169, 852	4, 716, 864	6,017,002	10, 959, 594
575	1, 231, 903	66, 309	1, 752, 857	1,861,389	3, 682, 404
1,373	3, 576, 160	171, 820	4, 373, 220	5,518,041	10, 021, 972
3,614	12, 126, 135	909, 335	23, 140, 645	20,303,827	44, 372, 720

² Reported on a production basis.

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1958 — Continued

	of the manuf							
		Estab-	Administra	tive and of	fice employees1	P	roduction wor	kers
	Industries	lish- ments	Male	Female	Salaries	Male	Female	Wages
No.			number		\$	num	ber	\$
1 2 3 4	8. Paper products: Boxes and bags, paper	223 128 22 189	2,287 8,955 676 1,332	1,014 2,639 253 854	15,447,311 74,253,570 4,524,106 10,487,702	8,614 51,506 1,526 4,886	4,681 984 56 2,672	42,211,277 233,162,045 5,850,533 23,641,691
5	Totals	562	13, 250	4, 760	104, 712, 689	66, 532	8, 393	304, 865, 546
6 7	9. Printing, publishing and allied industries: Commercial printing: Printing and bookbinding	1,829 50	4,466 152	2,293 59	31,088,154 1,190,128	14,327 807	5,336 18	68,385,050 3,567,295
8 9	Engraving, stereotyping and allied industries: Engraving, stereotyping and electrotyping Lithographing	158 94	572 634	318 357	5,004,613 5,340,101	2,727 2,455	440 841	15,315,020 13,241,831
10	Printing and publishing: Printing and publishing Publishing (only) of periodicals	746 1,556	8,911 2,688	5,368 3,174	58, 494, 194 17, 097, 661	14,207	2,071	69,247,198
12	Totals	4,433	17, 423	11,569	118, 214, 851	34, 523	8, 706	169, 756, 394
13 14 15 16 17 18 19 20 21 22 23 24 25 26	Agricultural implements Boilers, tanks and platework Bridge and structural steel work Castings, iron Hardware, tools and cutlery Heating and cooking apparatus Machinery, household, office and store Machinery industrial Machine shops Machine tools Primary iron and steel Sheet metal products Wire and wire goods Miscellaneous iron and steel products	71 103 65 189 430 126 71 379 700 14 50 473 150	3,324 1,477 2,012	572 526 675 704 1,103 697 725 2,111 355 78 1,095 1,356 619 507	13, 205, 194 11, 831, 770 20, 052, 401 13, 830, 445 15, 952, 618 11, 129, 570 11, 038, 308 38, 878, 644 7, 708, 799 1, 608, 499 22, 619, 556 23, 267, 435 10, 952, 811 12, 124, 359 224, 200, 409	8, 260 5, 562 10, 836 12, 062 8, 684 6, 045 5, 551 14, 390 5, 096 741 24, 728 12, 927 6, 501 7, 043	96 35 18 244 1, 460 235 757 524 84 - 172 1,500 622 647 6,394	34, 139, 235 22, 704, 160 45, 975, 563 47, 346, 989 35, 176, 569 21, 738, 546 22, 912, 118 56, 723, 773 18, 810, 607 2, 936, 140 115, 403, 506 54, 868, 136 27, 260, 761 26, 976, 722 532, 972, 825
27	Totals	3, 254	33,497	11, 123	224, 200, 403	120, 420	0,001	002, 012, 020
28 29 30 31 32 33 34 35	11. Transportation equipment: Aircraft and parts Bicycles and parts Boat building. Motor vehicles. Motor vehicle parts. Railway rolling stock Shipbuilding. Miscellaneous transportation equipment	29	123 308 5,831 3,149 2,476 1,919	295 526	22,597,535 14,922,642 11,360,656	24,288 431 1,338 18,795 12,140 19,569 13,646 389	34	103,380,135 1,659,980 4,084,137 87,295,304 55,133,236 73,031,127 54,522,434 1,454,151
36	Totals	626	25, 657	6, 729	172, 865, 028	90, 596	2, 994	380, 560, 504
37 38 39 40 41 42	12. Non-ferrous metal products: Aluminum products Brass and copper products Jewellery and silverware Non-ferrous metal smelting and refining White metal alloys Miscellaneous non-ferrous metal products Totals	221 25 64 33	1,530 692 5 4,773 4 471 3 275	600 471 744 159 98	10,371,110 4,702,745 33,398,402 3,332,713 2,044,757	2,222 21,391 1,730	508 1,354 51 465 97	15, 234, 080 26, 070, 159 10, 233, 020 97, 682, 848 7, 243, 362 2, 991, 202 159, 454, 671
43	Totals							
44 45 46 47	Machinery, heavy, electrical Telecommunication equipment	12	5 1,594 0 6,493	688	10,970,326 46,658,315 38,236,707	9,878 5,883	1,240 1,718 5,707	5,225,732 22,661,184 50,915,060 37,261,077
48	plies	. 17	9 5,498					62,835,637
49	Totals	. 49	2 19, 762	6, 79	137, 459, 083	33, 97	9 14,408	178, 898, 690

¹ Includes about 25,000 "Working proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1958 — Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shilments
number			dollars		
16,596 64,084 2,511 9,744	57,658,588 307,415,615 10,374,639 34,129,393	2,203,430 105,796,875 774,100 1,593,956	168,339,354 597,804,877 24,199,884 92,811,943	108, 276, 046 702, 950, 789 21, 362, 600 78, 103, 713	277, 464, 661 1,394,679, 180 45,892,999 171,423,553
92, 935	409, 578, 235	110, 368, 361	883, 156, 058	910, 693, 148	1, 889, 460, 393
26,422 1,036	99,473,204 4,757,423	2,286,753 69,977	95, 823, 864 646, 306	161,100,612 6,544,315	258, 323, 523 7, 260, 903
4,057 4,287	20,319,633 18,581,932	396,876 377,861	7,349,947 23,732,622	30, 582, 276 30, 216, 707	38,370,291 54,345,269
30,557 5,862	127,741,392 17,097,661	2,688,283	86, 411, 545 34, 279, 774	238, 784, 246 41, 836, 414	327,687,195
72, 221	287, 971, 245	5, 819, 750	248, 244, 058	509, 064, 570	76, 116, 188 ² 762, 103, 369
11,011 7,949 14,531 15,081 13,448 8,670 8,557 23,347 7,009 1,041 30,261 19,107	47, 344, 429 34, 535, 930 66, 027, 964 61, 177, 434 51, 129, 187 32, 868, 116 33, 950, 426 95, 602, 417 26, 519, 406 4, 544, 639 148, 023, 062 78, 135, 571 38, 213, 572	1, 959, 417 1, 451, 727 1, 859, 516 4, 471, 283 2, 257, 863 1, 607, 974 1, 046, 201 3, 291, 154 1, 101, 637 157, 175 28, 905, 568 3, 447, 728 2, 061, 192	77, 274, 314 53, 265, 040 100, 702, 283 132, 575, 064 55, 935, 832 65, 029, 147 64, 616, 295 133, 424, 224 20, 663, 688 5, 820, 566 250, 669, 538 175, 251, 811 82, 635, 926	60,536,739 52,986,057 108,320,903 114,962,422 100,663,656 62,454,754 68,096,143 167,442,946 37,836,144 4,478,466 304,923,587 154,400,230 62,666,734	133, 145, 309 108, 888, 919 210, 882, 702 ² 253, 444, 707 158, 197, 433 129, 265, 079 135, 976, 609 311, 094, 856 59, 785, 619 11, 355, 414 590, 317, 696 333, 264, 998 148, 798, 469
10, 209 179, 440	39, 101, 081 757, 173, 234	2, 936, 729 56, 555, 164	52, 846, 492 1, 270, 710, 220	64, 324, 698 1, 364, 093, 479	121, 264, 912 2, 705, 682, 799
39, 932 672 1, 733 26, 396 18, 132 22, 374 16, 132 605	182, 276, 877 2, 497, 715 5, 273, 824 129, 718, 693 77, 730, 771 87, 953, 769 65, 883, 090 2, 090, 793	4,660,674 98,656 201,339 5,263,376 4,374,848 4,006,379 2,055,185 89,692	176, 538, 577 2, 211, 143 5, 191, 636 571, 501, 488 155, 921, 088 188, 155, 709 50, 673, 132 3, 376, 614	281, 131, 994 4, 404, 902 7, 139, 095 253, 945, 274 133, 476, 810 103, 799, 162 95, 602, 037 4, 007, 832	462, 331, 245 ² 6, 624, 646 12, 291, 961 847, 342, 113 295, 741, 107 295, 961, 250 ² 148, 330, 354 ² 7, 285, 108
125, 976	553, 425, 532	20, 750, 149	1, 153, 569, 387	883, 507, 106	2, 075, 907, 784
6,605 9,034 4,739 26,959 2,825 1,139	28,544,154 36,441,269 14,935,765 131,081,250 10,576,075 5,035,959	1, 941, 443 2, 600, 711 408, 378 63, 522, 388 998, 200 289, 312	60, 434, 728 107, 392, 740 30, 147, 682 693, 796, 744 30, 305, 392 8, 853, 868	36, 832, 967 68, 161, 993 24, 085, 298 378, 451, 364 18, 505, 709 8, 029, 249	97, 883, 277 176, 400, 890 53, 898, 979 1, 135, 770, 506 ² 50, 177, 719 17, 065, 670
51, 301	226, 614, 472	69, 760, 442	930, 931, 154	534, 066, 580	1, 531, 197, 041
2, 183 8, 471 20, 074 19, 100	8,494,204 33,631,510 97,573,375 75,497,784	511,447 1,877,276 2,151,912 1,189,333	22, 184, 794 70, 624, 131 97, 534, 523 119, 506, 470	15,387,640 70,893,553 139,709,541 122,008,393	39,604,763 .145,236,530 244,743,678 237,994,688
25, 116	101, 160, 900 316, 357, 773	3,461,629 9,191,597	164, 052, 742 473, 902, 660	175, 827, 814 523, 826, 941	347,837,077

² Reported on approduction basis.

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1958 — Concluded

_	of the Manu	lacturing				p	roduction wo	orkers
	Industries	Estab- lish-	Administra	tive and on	ice employees¹		TOURCETON WE	
No.		ments	Male	Female	Salaries	Male	Female	Wages
1 2 3 4 5 6 7 8 9 10 11 12 13	14. Non-metallic mineral products: Abrasives, artificial Asbestos products Cement, hydraulic Clay products from domestic clay Clay products from imported clay Concrete products Glass and glass products Gypsum products Lime Salt Sand-lime brick Stone products Miscellaneous non-metallic mineral products.	18 16 19 112 36 684 102 13 40 13 137 54	445 316 463 465 307 2,139 106 191 13 483 241	145 106 101 103 100 430 463 121 19 46 1 121 75	\$ 3,589,485 1,979,264 3,340,160 2,756,316 2,052,237 11,493,353 6,399,481 2,209,181 507,011 1,152,596 59,144 2,721,832 1,666,402 39,926,462	1,636 1,345 2,917 3,621 1,423 9,167 5,408 1,143 1,046 589 92 1,534 669	88 157 4 60 343 83 1,035 1 1 44 - 19 121 1,956	\$ 7,112,811 5,566,724 13,019,600 12,977,827 6,561,334 33,313,761 23,928,874 4,597,032 3,855,538 2,423,381 319,417 5,633,515 2,575,351 121,885,165
15 16 17 18	15. Products of petroleum and coal: Coke and gas products Petroleum products Miscellaneous products of petroleum and coal Totals	. 16 71 28 115	378 4,744 135 5,257	145 1,483 53 1,681	2,152,368 35,786,891 850,045 38,789,304	1, 932 8, 203 294 10, 429	60 - 60	8,719,508 40,856,927 1,124,767 50,701,202
19 20 21 22 23 24 25 26	16. Chemicals and allied products: Acids, alkalies and salts Fertilizers Medicinal and pharmaceutical preparations Paints, varnishes and lacquers Primary plastics Soaps, washing compounds and cleaning preparations Toilet preparations Vegetable oils Other chemical industries: Adhesives	59 45 196 131 34 137 83 11	2,544 723 1,755 1,809 1,013 1,028 352 182	691 173 1,634 989 338 554 475 60	18, 285, 357 4, 860, 583 15, 891, 058 12, 905, 267 7, 243, 214 7, 908, 170 3, 507, 538 1, 309, 851	6,791 2,087 2,334 3,101 2,013 1,890 557 371	47 10 2,273 335 71 410 1,009	31, 495, 086 8, 564, 227 13, 956, 257 12, 316, 328 9, 012, 017 9, 112, 725 3, 853, 533 1, 365, 383
28 29 30 31 32	Coal tar distillation Gases, compressed Inks Polishes and dressings Miscellaneous chemical products	10 57 42 43 267	165 542 198 217 3, 125	40 242 131 175 1,273	1,318,112 3,433,962 1,663,728 2,023,092 22,736,229	364 687 631 274 6,703	3 6 55 167 1,310	1,442,894 2,949,716 2,396,116 1,278,602 30,433,724
33	Totals	1,143	13,802	6,868	104, 241, 557	28, 178	5,722	129, 577, 773
34 35 36 37 38 39 40 41 42 43	Fountain pens and pencils Instruments and related products Musical instruments Ophthalmic goods Orthopaedic and surgical appliances Plastics products. Sporting goods Toys and games	95 37 17 83 24 39 36 198 95 71	305 169 182 2,033 149 226 65 757 285 189	194 129 145 801 92 117 36 362 181 131	2,070,451 1,408,167 1,479,553 14,451,665 1,049,922 1,282,957 427,384 5,317,646 1,998,834 1,564,601 629,941	1,076 329 284 3,012 919 510 112 2,463 1,091 741	555 442 527 1,114 273 227 1,604 595 1,185	3,788,494 2,452,251 1,902,732 15,791,656 3,767,134 1,968,993 10,990,316 4,316,215 4,182,100 775,176
45 45 48 48 50 55 55 55	Buttons, buckles and fasteners Candles Candles Ice, artificial Lamps electric and lamp shades Models and patterns, excluding paper Pipes, lighters and smokers' supplies Signs, electric, neon and other Stamps and stencils, rubber and metal Statuary, art goods, regalia and novelties Umbrellas Umbrellas	422 444 211 122 48 66 80 14 356 69 95 8	148 19	40 113 29 12 31 103 16 27 239 89 54 3 153	339,731 1,493,493 340,158 132,432 393,676 941,617 635,399 212,227 4,517,463 1,227,923 654,212 116,024 1,479,910	151 544 110 75 288 523 421 53 2,447 521 325 14 690	250 673 68 33 — 428 7 42 204 139 280 78 614	751,067 3,021,803 422,978 260,357 929,501 1,879,863 260,842 8,950,390 2,049,605 1,308,469 157,055 3,253,675
5	Totals	1,599	6,391	3, 144	44, 165, 386	16,881	9,586	75,815,369
5	Grand totals, all industries	36, 741	221,881	85,986	1,469,324,281	772, 297	209, 438	3, 333, 171, 979

¹ Includes about 25,000 "Working proprietors".

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1958 — Concluded

	or th	e manutacturing ind	lustries, 1958 - Con	iciuded		
Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
2, 314 1, 924 3, 485 4, 249 2, 173 11, 819 7, 879 1, 604 1, 172 870 106 2, 157 1, 106	10,702,296 7,545,988 16,359,760 15,734,143 8,613,571 44,807,114 30,328,355 6,806,213 4,862,549 3,575,977 378,561 8,355,347 4,241,753	4,355,238 879,444 19,009,008 6,457,139 965,412 6,020,897 4,636,867 1,646,796 4,865,236 1,069,615 58,741 1,396,647 814,167	14,550,336 12,236,863 14,758,308 1,065,692 6,692,281 91,364,354 36,085,066 15,725,705 1,367,999 2,748,081 231,362 10,567,422 11,290,375	18,573,824 14,888,807 66,176,534 34,187,072 16,088,014 91,419,385 53,165,011 18,498,829 14,028,375 13,139,461 631,131 17,573,288 11,502,938	37, 211, 006 27, 609, 862 99, 943, 850 41, 709, 903 23, 686, 970 186, 235, 051 93, 818, 849 35, 719, 283 20, 261, 610 16, 957, 157 913, 483 29, 104, 039 23, 525, 267	1 2 3 4 4 5 6 7 8 9 10 11 12 13
40,858	161,811,627	52, 175, 207	218, 683, 844	369, 872, 669	636, 696, 330	14
2,455 14,490 482	10,871,876 76,643,818 1,974,812	5,001,223 51,052,196 347,391	56,272,204 829,920,509 8,264,800	21,515,263 487,676,382 6,281,788	82,788,690 ² 1,368,649,087 ² 14,971,584	15 16 17
17, 427	89, 490, 506	56, 400, 810	894, 457, 513	515, 473, 433	1,466,409,361	18
10,073 2,993 7,996 6,234 3,435	49,780,443 13,424,810 29,847,315 25,221,595 16,255,231	24,563,054 3,281,095 1,084,043 963,046 2,832,055	111,593,209 48,593,959 44,289,303 70,560,548 52,091,681	126,831,706 37,209,183 111,162,375 73,063,764 42,565,649	260, 967, 832 89, 145, 796 155, 006, 181 143, 096, 594 97, 802, 453	19 20 21 22 23
3,882 2,393 614	17,020,895 7,361,071 2,675,234	1,515,602 198,346 818,662	55,530,784 18,628,395 45,502,890	76,077,926 33,659,484 8,157,210	132,022,831 51,856,286 53,795,209	24 25 26
642 572 1,477 1,015 833 12,411	2,556,561 2,761,006 6,383,678 4,059,844 3,301,694 53,169,953	439,027 744,488 769,443 158,252 139,841 10,329,917	7,120,720 7,611,604 3,991,445 7,486,995 10,705,496 105,608,965	6,872,624 3,463,246 18,795,761 9,837,464 13,606,383 103,550,460	14,380,563 12,018,034 23,742,234 17,481,629 24,508,033 217,508,017	27 28 29 30 31 32
54,570	233, 819, 330	47,836,871	589,315,994	664, 853, 235	1, 293, 331, 692	33
2,130 1,069 1,188 6,960 1,433 1,080 350 5,186 2,152 2,46 418	5,858,945 3,860,418 3,382,285 30,243,321 4,817,056 997,322 16,307,962 6,315,049 5,746,701 1,405,117	179, 384 58, 314 87, 156 654, 881 176, 008 91, 516 28, 509 868, 627 240, 306 253, 848 51, 812	8,645,863 8,214,018 5,504,538 41,435,857 5,079,027 3,172,989 863,888 36,855,300 8,018,530 11,170,449 2,978,720	10,031,186 7,395,533 6,925,517 50,483,863 11,183,168 3,844,548 1,741,009 36,750,031 11,929,399 11,704,507 2,989,893	18,997,463 15,784,093 12,654,239 91,616,218 16,352,254 7,025,458 2,624,405 73,857,408 20,453,260 22,843,375 6,043,444	34 35 36 37 38 39 40 41 42 43 44
494 1,522 250 138 397 1,193 558 151 3,638 927 807 114 1,651	1,090,798 4,515,296 763,136 392,789 1,323,177 3,066,376 2,515,262 473,069 13,467,853 3,277,528 1,962,681 273,079 4,733,585	25, 638 143, 754 51, 512 34, 100 428, 423 100, 667 71, 297 19, 263 656, 748 90, 483 73, 703 8, 584 174, 664	1,345,310 5,558,366 1,269,446 661,197 247,728 6,281,026 979,852 983,820 11,202,953 1,963,875 1,771,577 528,728 5,333,414	1, 927, 031 7, 597, 249 1, 700, 526 598, 173 2, 587, 333 5, 940, 178 3, 677, 894 1, 020, 034 22, 240, 362 4, 778, 438 2, 992, 792 474, 851 10, 024, 776	3, 268, 094 13, 085, 245 3, 042, 627 1, 293, 710 3, 244, 229 12, 460, 943 4, 672, 217 2, 143, 514 34, 007, 650 6, 866, 633 4, 816, 392 995, 550 15, 423, 169	45 46 47 48 49 50 51 52 53 54 55 56
36,002	119, 980, 755	4,569,197	170,066,471	220, 598, 291	393, 572, 590	58
1, 289, 602	4, 802, 496, 260	549, 308, 532	11,821,567,471	9, 792, 505, 931	22, 163, 186, 308	59

² Reported on a production basis.

Table 12 gives the amount and value of each of the principal commodities produced or shipped by the manufacturing industries of Canada, Commodities produced in small quantities

are not included but the list covers approximately 75 p.c. of total production. For a complete list of products, see Appendix II of this report.

TABLE 12. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1958

Note: Since 1952 the basis of collection is "Value of factory shipments" instead of "Gross value of products". However, the commodities marked* are still on a production basis.

	Unit of measure	Quantity	Value
			5
Pood: Biscuits, all kinds Bread	lb.	245,846,130 824,976	74,449,128
Butter, factory made	lb.	340, 278, 819	203, 658, 715 215, 212, 640 63, 541, 076
Coffee, instant Coffee and tea, blended, roasted and packed Confectionery, all kinds	66	8, 192, 488 123, 008, 323 211, 617, 682	25,318,260 110,122,000 96,109,690
Cream, sold by dairy factories Feed, chopped grain Feeds, stock and poultry, prepared Fish, canned and otherwise prepared	ton	528, 212 2, 953, 181	47,666,73 28,138,87 233,310,64 84,008,00 167,829,51
Flour, wheat Fruits and vegetables, canned Fruits and vegetables, frozen	cwt. lb.	40,688,409 619,175,248 71,963,885	82, 460, 91
Jams, jellies and marmalades	gal. lb.	11, 963, 885 34, 176, 417 110, 277, 928 114, 822, 946	12,402,72 58,824,99 23,199,52 17,771,70
Lard Margarine and margarine substitutes Meats, canned, including poultry, pastes, etc.	44	114, 822, 946 148, 583, 672 80, 045, 085 298, 809, 183	34,893,70 38,103,19
Meats, cooked, including sausage, weiners, etc. Meats, cured and smoked Meats, sold fresh and frozen, including poultry	66	266 206 206	128,625,694 146,727,558 620,976,340
Milk, sold by dairy factories	gal. lb.	1,633,097,557 363,081,221 331,296,343	284, 610, 264 42, 322, 161 31, 025, 321
Pries, cakes and pastry Pies, cakes and pastry Powders, edible (custard, jelly, milk, etc.) Shortening Soups, canned (except infants') Sugar, granulated (cane and beet)	lb.	167, 884, 228 264, 621, 125	89,743,049 63,596,408 39,182,840 47,845,075 111,991,794
	66	1,393,526,353	111, 991, 79
ieverages: Beer, ale, stout and porter (sales) ¹ Beverage spirits sold (net sales)	gal. pf. gal.	219, 848, 237 15, 777, 160 146, 305, 181	361,609,94 125,562,85
Carbonated beverages wine sold	gal. Imp. gal.	6,585,316	133, 187, 246 17, 553, 056
Cobacco and tobacco products: Cigarettes Cigars	M	32,777,573 319,595	439, 366, 706 22, 518, 284
Cigars	lb.	23,500,881 160,225,608	60,603,860 108,190,92
extiles, except clothing: Bags, cotton and jute	No.	132,855,102	23, 084, 38 14, 493, 56
Carpets, mats and rugs Cotton fabrics Synthetic woven fabrics, all types	yd.	85, 243, 148	26, 837, 58 110, 559, 99 57, 121, 65
Tire fabrics Twine and cordage Woven fabrics, wool or containing wool	1b.	24, 590, 082	22, 887, 90 14, 952, 29 38, 466, 56
Yarns, cotton, rayon, wool, etc. (for sale)	-	-	138, 467, 687
Slothing: Coats and overcoats, cloth, men's and youths' Coats, wool, women's, and misses'	No.	477,945 1,341,553	14, 173, 03 32, 628, 97 48, 661, 78
Short coats (including windbreakers, mackinaws, parkas, leather coats, etc.) Dresses, women's and misses'	doz. No.	210, 602 488, 301 12, 217, 128	48, 661, 78 39, 175, 65 85, 083, 71 138, 292, 22
Footwear, leather Footwear, rubber Gloves and mittens, all kinds	doz. pr.	12, 217, 128 37, 325, 291 9, 582, 023 1, 785, 251 7, 250, 508	24, 112, 11 14, 982, 04 11, 473, 30
Hats and caps, men's Hats, women's and children's Hosiery, all kinds Shits fine work and sport	doz. pr. doz.	730,508 423,374 10,945,429 2,710,159	13, 264, 54 59, 569, 65
Shirts, fine, work and sport Sport sults, slacks and other sport clothing, n.e.s. Sults, men's and youths, fine woollen Underwear	No.	1,679,870	60, 281, 73 27, 316, 64 58, 429, 37 53, 351, 11
ood products:			11, 420, 41
Lumber, planed Lumber, sawn*	M ft. b.m.	1,307,498 7,180,113	11, 420, 41 97, 746, 64 459, 975, 29 203, 975, 26

¹ Includes duties and taxes on beer and tobacco and tobacco products.

TABLE 12. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1958 — Concluded

	Unit of measure	Quantity	Value
			\$
Paper products: Bags, paper	- /	_	57, 876, 185
Boxes, paper Paper boards, all types (basic)*	ton	1,188,650	197, 939, 841 152, 810, 753
Paper boards, all types (basic)* Paper, book and writing (basic)* Paper, newsprint (basic)* Paper, wrapping (basic)*	66	344,622 6,030,930	91,079,353 699,906,388
Paper, wrapping (basic)*	**	292, 727	64,650,624
Printing, publishing and allied industries: Books and catalogues, printed and bound	_	_	39,694,305
Other advertising matter, printed	-	_	60, 812, 195 28, 917, 670
Periodicals printed for publishers	_	_	
Subscriptions and sales	_	-	76, 283, 165 207, 678, 610
Other printed matter: Sheet forms, menus, bank notes, programmes, etc.	-	-	114, 311, 993
fron and steel products: Bars, iron and steel, hot rolled (sold)	ton	585,016	86, 215, 757
Boilers, heating and power	Ξ	_	27, 518, 710 31, 855, 776
Farm implements and parts	-	_	125,853,584 26,424,336
Forgings, steel and other	=	_	51, 437, 000
Machinery, industrial, household, office and store and parts	ton	429,708	681,005,000 24,878,802
Pipes, tubing and fittings, iron and steel Rolled iron and steel forms, semi-finished, sold	net ton	267, 422	24,878,802 193,917,000 28,519,772
Sheets hars and other cold-rolled products, sold	ee ea	851, 442 105, 251	156, 119, 583 42, 581, 094
Steel ingots and castings, sold Steel shapes erected, buildings, bridges, etc.* Steel shapes structural, made in primary mills	66	430, 623 225, 295	154,719,352 29,140,873
Steel shapes, structural, made in primary mills Stoves, coal, wood, electric and gas Tools and implements, hand, all kinds and parts	_	225, 295	53,519,506
Tools and implements, hand, all kinds and parts		=	36, 157, 432 49, 682, 340
Transportation equipment:	_		189, 947, 132
Aircraft, completed in year* Automobiles, commercial	No.	60,857 293,633	125, 113, 297 582, 489, 081
Automobiles, passenger	**		125, 113, 297 582, 489, 081 496, 259, 000 10, 378, 051
Buses	No.	5, 313	64. 126. 138
Cars, railway, complete, freight and passenger* Locomotives, diesel-electric, new* Ships and ship repairs*	-	417	75, 229, 711 176, 597, 923
Non-ferrous metal products:	_	_	24, 867, 243
Jewellery Kitchenware, aluminum	_	_	7,477,151 8,154,997
Silverware Smelter and refinery products*	=	_	1, 135, 770, 506
Electrical apparatus and supplies: Batteries, electric, storage	_	_	26, 409, 769
Radio receiving sets, complete Refrigerators, household, mechanical	No.	745, 318 226, 523	25,510,943 39,759,101
Television sets	44	432,318	67,669,153 136,812,123
Wires and cables, electric			
Non-metallic mineral products: Abrasives, artificial	ton	187,035 3,483,105	22,670,900 52,641,959
Coke, gas-house* Concrete, ready-mixed Gas, manufactured and natural, sold*	M cu. ft.	211,751,484	91,361,517 121,249,692
Gas, manufactured and natural, sold* Glass, pressed and blown (bottles, sealers, ovenware, etc.)	M Cu. 11.	211, 101, 101	55, 868, 774
Chemicals and allied products: Calcium and sodium compounds	_	_	59,313,000 40,001,000
Fortilizers mixed	_	_	139,621,000
Medicinal and pharmaceutical preparations Paints, enamel and varnishes	_	_	135, 207, 000 66, 441, 000
Synthetic resins	1b.	335,000,000	91,062,000 65,409,053
Toilet preparations	_	_	05, 405, 005
Miscellaneous: Bags, hand and hand luggage	doz.	821,507	15,616,693 5,330,867
Brooms and household brushes	_	-	20, 501, 763 73, 519, 793
Cans, metal, for food	1	01 070 007	226 796 403
Gasoline Leather, shoe	bbl.	91, 872, 967	635, 420, 469 40, 511, 264 24, 207, 840
Mattragga		_	3, 229, 369
Mops, floor Oil, fuel (made for sale)*	bbl.	115,073,882	518,682,557 5,391,335
Pianos, organs and parts	_	_	74.638.994
Sporting goods	1	=	24, 422, 166 14, 574, 031 29, 028, 231
Toys and games	_		20,020,231

Subsection 2. Manufactures Classified on the Chief Component Material Classification Basis

For the most purposes a classification of manufacturing industries based upon "chief component materials" has, in the past, proved most useful in Canadian industrial classification. For this reason the Bureau's classification based upon this concept has been the one most widely used for general purposes such as the Decennial Census, Vital Statistics, foreign Trade, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of a group "Textile Products", composed partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, i.e., when its final products are chiefly such items as pig fron, lumber and processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however, turning out more and more goods for final consumption, the combination of ingredients in such output becomes more and more complex. The modern automotive, aircraft, shipbuilding, and electrical apparatus industries are examples in which a wide variety of materials must be assembled for the completion of the final product.

In recent years Canada's industrial system has undergone considerable development. Consequently in establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as Foods and Beverages, Clothing, Transportation Equipment, Electrical Apparatus and Supplies, have been established.

TABLE 13. Principal Statistics of the Manufacturing Industries, classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-58

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	nun	ber				
1917						
Vegetable products Animal products Fextiles and textile products Wood and paper products ron and its products Von-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	4, 151 5, 486 1, 033 7, 258 1, 495 1, 495 1, 075 539 512	62, 791 46, 994 76, 315 153, 701 161, 745 18, 220 20, 781 56, 153 9, 823	45, 916, 557 35, 753, 133 47, 386, 592 115, 198, 434 161, 875, 426 15, 898, 890 18, 224, 724 51, 505, 484 6, 042, 604	367, 214, 061 320, 302, 039- 131, 071, 158 150, 122, 143 378, 193, 116 46, 445, 469 36, 994, 392 99, 068, 092 10, 268, 341	183, 782, 501 124, 103, 990 109, 227, 157 249, 201, 596 371, 792, 489 41, 039, 351 58, 092, 396 131, 381, 995 12, 510, 505	550, 996, 56 444, 406, 02 240, 298, 31 399, 323, 73 749, 985, 60 87, 484, 82 95, 086, 78 230, 450, 08 22, 778, 84
Totals	21, 845	606, 523	497, 801, 844	1, 539, 678, 811	1, 281, 131, 980	2, 820, 810, 79
1920						
Vegetable products Animal products Pextiles and textile products Wood and paper products Fron and its products Woon-ferrous metal products Won-metallic mineral products Chemicals and allied products discellaneous industries	4, 549 4, 823 1, 304 7, 881 1, 789 324 846 464 552	74, 241 48, 687 87, 730 144, 391 164, 087 23, 162 25, 500 17, 653 13, 442	77, 750, 189 54, 291, 606 84, 433, 609 172, 368, 578 231, 595, 911 27, 895, 343 32, 351, 764 22, 193, 421 14, 613, 455	536, 828, 044 400, 496, 354 256, 233, 300 309, 813, 724 377, 499, 134 48, 434, 120 69, 856, 558 62, 644, 608 23, 465, 807	239, 328, 371 152, 995, 130 173, 741, 035 417, 256, 115 411, 875, 057 52, 847, 178 80, 205, 472 65, 183, 212 27, 841, 778	776, 156, 415 553, 491, 484 429, 974, 335 727, 069, 839 789, 374, 191 101, 281, 298 150, 062, 030 127, 827, 820 51, 307, 585
Totals	22, 532	598, 893	717, 493, 876	2, 085, 271, 649	1, 621, 273, 348	3, 706, 544, 99
1929						
Vegetable products Animal products Pextiles and textile products Food and paper products Foon and its products Foon and its products Foon-ferrous metal products Foon-metallic mineral products Fohemicals and allied products Fiscellaneous industries	5, 350 4, 490 1, 534 7, 392 1, 224 408 843 554 421	91, 032 67, 670 103, 881 164, 572 142, 772 39, 867 29, 257 16, 694 10, 786	95, 853, 121 62, 081, 423 94, 969, 433 192, 088, 948 203, 740, 658 54, 501, 806 38, 958, 390 22, 639, 449 12, 457, 989	431, 595, 751 345, 351, 882 217, 954, 088 313, 797, 201 405, 818, 468 124, 900, 632 112, 573, 103 55, 184, 337 22, 495, 351	341, 688, 938 127, 929, 857 180, 469, 064 381, 485, 477 367, 465, 582 150, 415, 215 99, 065, 847 78, 785, 911 28, 081, 046	783, 706, 883 477, 761, 855 403, 205, 805 724, 972, 308 790, 726, 338 283, 545, 666 229, 774, 300 138, 545, 221 51, 207, 736
Totals	22, 216	666, 531	777, 291, 217	2, 029, 670, 813	1, 755, 386, 937	3, 883, 446, 116
1933						
Vegetable products Inimal products Pextiles and textile products Vood and paper products For and its products For and its products For and its products For and its products For an example of the products For an exampl	5, 916 4, 496 1, 740 7, 891 1, 334 478 770 696 459	75, 416 53, 111 95, 707 105, 080 73, 348 25, 273 16, 975 15, 397 8, 351	68, 535, 349 46, 453, 188 72, 813, 424 102, 218, 652 72, 296, 179 28, 099, 026 19, 282, 401 18, 738, 629 7, 810, 976	226, 879, 373 179, 429, 948 143, 184, 861 134, 663, 641 98, 793, 191 71, 990, 608 69, 077, 701 34, 271, 854 9, 497, 751	196, 820, 952 87, 629, 444 131, 065, 992 184, 233, 540 109, 198, 169 88, 427, 984 52, 817, 078 55, 394, 284 14, 083, 738	432, 315, 617 271, 068, 210 279, 475, 267 341, 336, 701 216, 828, 992 164, 765, 604 131, 325, 706 92, 820, 761 24, 138, 927
Totals	23, 780	468, 658	436, 247, 824	967, 788, 928		1, 954, 075, 78

TABLE 13. Principal Statistics of the Manufacturing Industries, classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-58 - Concluded

	715, 65 11411	010250, 000	311111111111111111111111111111111111111	,		
Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
1939	nun	iber		doll	ars	
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products. Chemicals and allied products Miscellaneous industries	5,872 4,362 1,930 8,538 1,394 526 809 808 566	99, 447 69, 358 121, 022 144, 782 121, 041 44, 563 23, 026 22, 595 12, 280	104, 248, 785 68, 231, 871 107, 117, 035 165, 287, 455 158, 559, 728 59, 684, 858 30, 067, 934 31, 567, 558 13, 045, 929	356, 726, 153 333, 647, 306 203, 618, 197 246, 292, 820 262, 292, 781 242, 063, 177 107, 979, 292 65, 230, 839 18, 308, 810	292, 129, 840 122, 821, 410 181, 927, 898 303, 662, 441 275, 774, 796 155, 808, 806 85, 511, 631 89, 046, 832 24, 368, 247	659, 624, 014 461, 983, 262 392, 657, 759 579, 892, 183 553, 468, 880 416, 060, 459 208, 166, 781 159, 536, 984 43, 393, 206
Totals	24, 805	658, 114	737, 811, 153	1, 836, 159, 375	1,531,051,901	3, 474, 783, 528
1944						
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	5, 941 4, 388 2, 481 10, 452 2, 192 635 748 981 665	130, 679 94, 195 153, 122 189, 674 411, 944 104, 314 31, 590 81, 322 25, 542	183, 943, 948 129, 215, 389 195, 805, 681 284, 436, 559 818, 452, 454 182, 909, 292 56, 130, 338 137, 422, 977 41, 304, 732	763,606,750 835,586,247 419,988,642 497,656,158 1,104,083,922 549,317,062 234,714,319 360,412,749 66,967,507	485, 551, 491 246, 064, 720 351, 186, 488 550, 826, 986 1, 390, 703, 087 399, 498, 519 152, 525, 053 355, 260, 598 84, 159, 068	1,270,518,297 1,092,015,647 781,771,688 1,093,725,822 2,540,992,974 992,345,975 416,268,879 733,569,232 152,484,005
Totals	28, 483	1, 222, 882	2,029,621,370	4, 832, 333, 356	4,015,776,010	9, 073, 692, 519
1949						
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products. Chemicals and allied products Miscellaneous industries	5,903 4,231 3,234 15,866 2,658 897 1,097 1,022 884	143,032 102,657 186,328 262,835 265,474 100,614 42,691 40,499 27,077	285, 536, 723 197, 189, 519 342, 930, 642 579, 896, 808 678, 924, 105 251, 869, 627 104, 377, 854 98, 568, 559 52, 596, 820	1,236,409,496 1,158,872,220 669,108,586 1,061,229,176 1,197,956,715 749,678,627 469,437,193 238,377,149 62,161,902	754, 329, 727 369, 545, 771 606, 402, 697 1, 184, 539, 519 1, 219, 303, 992 558, 467, 028 261, 691, 705 279, 038, 860 97, 247, 135	2,020,565,833 1,543,930,584 1,290,314,474 2,325,304,849 2,468,376,349 1,353,329,383 780,188,518 536,156,674 161,426,636
Totals	35, 792	1, 171, 207	2,591,890,657	6, 843, 231, 064	5, 330, 566, 434	12, 479, 593, 300
19541						
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	5,825 3,689 3,407 17,198 3,166 1,030 1,264 1,104 1,345	145,842 100,352 169,465 287,317 304,728 125,569 52,788 50,935 30,970	400, 492, 625 259, 157, 349 391, 920, 356 881, 030, 481 1, 078, 530, 027 440, 700, 922 184, 530, 804 174, 849, 466 85, 475, 661	1,459,144,653 1,310,727,221 723,169,806 1,561,744,936 1,808,728,716 1,114,549,500 770,531,901 391,963,368 101,297,453	1,067,282,575 480,458,187 632,435,702 1,763,010,994 1,777,079,766 949,893,993 615,324,067 467,919,639 148,719,214	2,563,927,081 1,813,185,823 1,378,303,384 3,430,311,344 3,651,360,402 2,127,716,961 1,456,119,348 882,604,171 250,998,990
Totals	38, 028	1, 267, 966	3, 896, 687, 691	9, 241, 857, 554	7, 902, 124, 137	17, 554, 527, 504
19581						
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	5,886 3,788 3,177 15,058 3,665 1,085 1,363 1,132 1,587	147, 241 109, 603 166, 914 287, 811 303, 683 126, 245 58, 285 53, 956 35, 864	489, 640, 401 346, 847, 183 443, 272, 441 1,072, 404, 853 1, 305, 324, 942 542, 972, 245 251, 302, 133 231, 144, 096 119, 587, 966	1,718,063,509 1,765,256,302 833,911,852 1,854,064,288 2,419,087,971 1,404,833,814 1,113,141,357 543,813,104 169,405,274	1,348,002,946 617,675,913 733,855,491 2,032,574,325 2,240,461,490 1,057,893,521 885,346,102 656,696,025 220,000,118	3, 103, 762, 931 2, 407, 196, 473 1, 593, 944, 149 4, 007, 449, 302 4, 769, 298, 622 2, 546, 613, 777 2, 103, 105, 691 1, 239, 536, 483 392, 278, 880
Totals	36, 741	1, 289, 602	4,802,496,260	11,821,567,471	9, 792, 505, 931	22, 163, 186, 308

¹ In 1952 the basis of collection was changed from "Value of products made" to "Value of factory shipments".

Subsection 3. Manufactures Classified by Origin of Materials

The distinction made between farm materials of Canadian and foreign origin is based on whether the materials are indigenous to Canada rather than on their actual source. Thus, the industries included in the foreign origin classes are those depending upon materials that cannot be grown in Canada, such as tea, coffee, spices, cane sugar, rice, rubber, cotton, etc. Industries included in the Canadian origin classes may, however, be using large quantities of imported materials.

The mineral origin group includes, in addition to nonferrous metals so largely produced in Canada, the manufactures of iron and steel, or petroleum, and of other mineral substances, the raw materials for which are very largely imported. Products of mineral origin, with the exception of fuels, are nearly all durable goods. A high standard of living and advanced industrial organization is usually indicated by relatively large production and consumption of mineral products. During periods of depression when the production of capital goods is curtailed, employment in the industries of the farm group, which produce mainly consumer goods, exceeds that of the mineral group. The industries of the mineral group in 1943, at the maximum of the war effort, had by far the greatest capital investment, employed the largest number of persons, and paid out the highest amount in salaries and wages. In 1943 the average capital per employee amounted to \$5,441 for the mineral group as compared with \$4,417 for the farm origin group. The mineral group also pays the highest wages. In 1958 the average salary and wage was \$4,311 for the mineral group and \$3,152 for the farm origin group.

TABLE 14. Principal Statistics of the Manufacturing Industries, classified according to Origin of Material Used, by Main Groups, Significant Years 1924-58

Year and origin	Estab- lishments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Gross value of products
	No.	\$	No.		dollars	
1924						
Farm origin	8,663 2,806	772,791,471 1,010,517,944	152, 488 136, 8 37	153, 213, 763 171, 068, 497	716,047,892 349,800,585	1,099,279,665 700,002,097
Forest origin	6,873	876, 149, 932 20, 304, 785	126,907 11,157	147,719,245 3,344,348	245, 183, 429 16, 089, 332	544, 282, 597 26, 637, 962
Wild life origin	226 1,305	10,837,249 204,716,127	2, 944 57, 277	3, 194, 213 55, 927, 609	7,506,169 101,563,384	13, 386, 266 200, 718, 177
Mixed origin	20,709	2,895,317,508	487, 610	534, 467, 675	1,436,190,791 ¹	2,584,306,764 ¹
			22.,			
Farm origin group: From field crop	4,595	525, 717, 571	89,436	87, 789, 237	433, 443, 376	691,513,259
From animal husbandry	4,068 8,663	247,073,900 772,791,471	63,052 152,488	65, 424, 526 153, 213, 763	282,604,516 716,047,892	407, 766, 406 1, 099, 279, 665
Canadian origin	8,379	546, 231, 949	114, 514	119, 217, 657	553, 357, 883	848, 236, 237
Foreign origin	284	226, 559, 522	37,974	33, 996, 106	162, 690, 009	251,043,428
1929						
Farm origin Mineral origin	9,041 3,219	969,384,866 1,550,662,908	181, 682 218, 879	188, 306, 755 304, 027, 803	852,606,083 678,683,203	1,396,769,569 1,392,499,868
Forest origin	7, 353	1, 148, 558, 242	163,863	191.044.307	313, 088, 964 21, 496, 859	722, 269, 066 34, 966, 260
Marine origin	730 234	28,644,442 14,338,686 293,302,865	16,367 3,767 81,973	5,411,855 4,783,323 83,717,174	12,847,817 150,947,887	20,861,039
Mixed origin	1,639	4,004,892,009	666,531	777, 291, 217	2,029,670,813	316, 080, 314 3, 883, 446, 116
	22, 21	1,001,000,000	000,031	111, 002, 021	2,020,010,010	0,000,110,110
Farm origin group: From field crops	5,191	697, 206, 163	114, 236	115, 201, 292	496,842,580	889,075,246
From animal husbandry	3,850	272, 178, 703	67, 446	73, 105, 463	355,763,503	507,694,323
Totals, farm origin	9,041	969, 384, 866	181,682	188, 306, 755	852,606,083	1, 396, 769, 569
Canadian origin Foreign origin	8,743 298	708,461,549 260,923,317	134,680 47,002	140, 340, 993 47, 965, 762	682,056,026 170,550,057	1, 106, 006, 184 290, 763, 385
1933						
Farm origin Mineral origin	9,695 3,539	844,582,058 1,306,641,651	158,602 130,565	137,711,749 138,101,092	454,882,704 271,434,337	791, 956, 470 601, 428, 003
Forest origin Marine origin	7, 796 620	882, 445, 602 15, 532, 775	102,807 4,064	99,046,012 2,287,385	133,550,374 10,960,289	335,886,257 17,380,323
Wild life origin Mixed origin	335 1,795	10,507,157	3, 498 69, 122	3,481,885 55,619,701	7, 159, 079 89, 802, 145	13,000,927 194,423,805
Grand totals	23,780	3, 279, 259, 838	468,658	436, 247, 824	967, 788, 928	1,954,075,785
Farm origin group:						
From field crops	5,746 3,949	609,044,529 235,537,529	93,433 65,169	81,655,182	263,007,043 191,875,661	494,048,930 297,907,540
Totals, farm origin	9,695	844, 582, 058	158,602	56, 056, 567 137, 711, 749	454, 882, 704	791,956,470
Canadian origin	9,373	629, 450, 643	124, 547	107, 807, 386	365,559,776	620, 197, 449
Foreign origin	322	215, 131, 415	34,055	29,904,363	89,322,928	171,759,021
1939						
Farm origin	10,203	952,929,892 1,498,265,618	220, 210 210, 752	217, 724, 965 280, 054, 303	778, 250, 125 669, 728, 573	1,289,993,021 1,321,444,094
Forest origin Marine origin	8,430 523	951, 016, 933 21, 479, 200	142,091 5,369	160, 798, 500 3, 638, 794	244, 944, 997 18, 114, 698	572, 335, 960 28, 816, 536
wild life origin	384	14, 723, 743	4,604	5,396,623	11,592,066	19,961,526
Mixed origin	1,791 24,805	208, 609, 063 3, 647, 024, 449	75, 088 658, 114	70, 197, 968 737, 811, 153	113, 528, 916 1, 836, 159, 375	242, 232, 391 3, 474, 783, 528
Farm origin group:						
From field crops	6,096	649, 746, 486	124,708	126, 311, 033	410,994,461	759, 964, 866
From animal husbandry	4, 107 10, 203	303, 183, 406 952, 929, 892	95,502 220,210	91, 413, 932 217, 724, 965	367, 255, 664 778, 250, 125	530, 028, 155 1, 289, 993, 021
Canadian origin	9,382				630, 779, 223	
Foreign origin	9,382	699, 345, 423 253, 584, 469	171,460 48,750	168, 260, 771 49, 464, 194	147,470,902	1,011,294,132 278,698,889

¹ See footnote at end of table.

TABLE 14. Principal Statistics of the Manufacturing Industries, classified according to Origin of Material Used, by Main Groups, Significant Years 1924-58 — Concluded

of material ese	u, by Main	Groups, Sig	mineant rears	1924 - 58 - Con	cluded	
Year and origin	Estab- lishments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	num	ber		doll	ars	
1944	1					
Farm origin Mineral origin Forest origin Marine origin Wild life origin Mixed origin	10, 329 4, 479 10, 347 535 535 2, 258	287,756 634,542 186,680 9,664 6,190 98,050	394,716,309 1,208,779,764 278,171,969 10,327,695 9,430,191 128,195,442	1,781,014,374 2,258,796,792 495,531,476 45,906,542 28,076,572 223,007,600	870, 995, 104 2, 312, 260, 844 541, 521, 976 22, 066, 801 15, 728, 926 253, 202, 359	2,688,731,415 4,708,104,244 1,082,160,284 68,882,879 43,985,177 481,828,520
Grand totals	28,483	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
Farm origin group: From field crops From animal husbandry Totals, farm origin	6,307 4,022 10,329	164,514 123,242 287,756	226, 751, 705 167, 964, 604 394, 716, 309	888, 435, 918 892, 578, 456 1, 781, 014, 374	563,349,320 307,645,784 870,995,104	1,477,008,962 1,211,722,453 2,688,731,415
Canadian originForeign origin	9,493 836	225,077 62,679	303,293,749 91,422,560	1,507,501,822 273,512,552	668,958,344 202,036,760	2,202,655,904 486,075,511
1949						
Farm origin Mineral origin Forest origin Marine origin Wild life origin Mixed origin	10,023 5,936 15,467 599 663 3,104	312,573 453,960 255,671 11,856 8,370 128,777	608, 297, 050 1, 147, 317, 944 562, 316, 999 16, 969, 825 18, 008, 212 238, 980, 627	2,664,102,189 2,652,631,878 1,051,100,174 69,090,041 38,475,825 367,830,957	1,327,990,992 2,315,722,610 1,158,202,397 41,140,022 28,844,758 458,665,655	4,042,745,891 5,133,084,333 2,288,386,108 111,961,148 67,646,428 835,769,392
Grand totals	35, 792	1, 171, 207	2,591,890,657	6, 843, 231, 064	5, 330, 566, 434	12,479,593,300
Farm origin group: From field crops From animal husbandry Totals, farm origin	6, 165 3, 858 10, 023	175, 715 136, 858 312, 573	348, 944, 897 259, 352, 153 608, 297, 050	1, 414, 938, 794 1, 249, 163, 395 2, 664, 102, 189	863, 950, 508 464, 040, 484 1, 327, 990, 992	2,313,027,879 1,729,718,012 4,042,745,891
Canadian origin	9, 204 819	247,762 64,811	473, 274, 682 135, 022, 368	2,289,435,804 374,666,385	1,041,245,310 286,745,682	3,369,356,461 673,389,430
Farm origin Mineral origin Forest origin Marine origin Wild life origin Mixed origin Grand totals	9,542 6,854 16,823 586 598 3,625	301,661 539,830 280,573 14,202 6,431 125,269	791, 390, 838 1, 902, 255, 686 857, 047, 039 26, 001, 277 17, 348, 494 302, 644, 357 3,896, 687, 691	3,010,857,496 4,083,393,939 1,547,843,710 95,632,683 37,022,130 467,107,596 9,241,857,554	1,735,120,378 3,808,242,171 1,727,150,805 55,219,381 26,595,921 549,795,481 7,902,124,137	4,812,467,809 8,113,391,979 3,380,340,406 153,456,535 64,099,781 1,030,770,994
Farm origin group: From field crops From animal husbandry Totals, farm origin	6, 135 3, 407 9, 542	173, 171 128, 490 301, 661	468,666,325 322,724,513 791,390,838	1,631,251,171 1,379,606,325 3,010,857,496	1, 170, 756, 138 564, 364, 240 1, 735, 120, 378	2,845,128,473 1,967,339,336 4,812,467,809
Canadian origin	8,612 930	242, 239 59, 422	624, 181, 936 167, 208, 902	2,617,517,447 393,340,049	1,377,694,249 357,426,129	4,041,115,667 771,352,142
1958²						
Farm origin Mineral origin Forest origin Marine origin Wild life origin Mixed origin	9,862 7,404 14,685 431 507 3,852	310, 977 539, 105 282, 021 13, 193 5, 234 139, 072	980,342,923 2,323,833,949 1,046,811,396 28,367,424 17,857,561 405,283,007	3,716,401,997 5,436,252,397 1,841,512,705 122,632,908 38,563,335 666,204,129	2,177,421,498 4,742,809,500 1,994,852,954 60,533,456 27,710,066 789,178,457	5,972,728,027 10,518,252,826 3,956,787,050 180,783,504 66,632,599 1,468,002,302
Grand totals	36,741	1, 289, 602	4,802,496,260	11,821,567,471	9, 792, 505, 931	22, 163, 186, 308
Farm origin group: From field crops From animal husbandry Totals, farm origin	6,191 3,671 9,862	173, 906 137, 071 310, 977	564,098,524 416,244,399 980,342,923	1,900,623,993 1,815,778,004 3,716,401,997	1, 465, 499, 471 711, 922, 027 2, 177, 421, 498	3,411,556,948 2,561,171,079 5,972,728,027
Canadian origin Foreign origin	8,920 942	253,618 57,359	791, 224, 654 189, 118, 269	3,268,361,598 448,040,399	1,740,484,052 436,937,446	5,068,585,162 904,142,865

¹ For the year 1924 the figures for "Cost of materials" and "Gross value of products" include the value placed on intermediate products used in further processes in the chemical group of industries. For this reason these figures differ slightly from those contained in the other tables of this report.

² In 1952 the basis of collection was changed from "Value of products made" to "Selling value of factory shipments".

Subsection 4. Manufactures Classified by Type of Ownership

This section deals with the type of ownership under which Canadian manufacturers operate. The first survey in 1946 did not include the fish-curing and packing industry, information for which was not available at that time. For this reason the figures for 1946 are not strictly comparable with those for succeeding years, although the inclusion of that industry has not materially altered the percentage distribution of individual ownership, incorporated companies, etc.

Of the 36,741 establishments operating in 1958, 1,556 establishments in the periodical publishing industry were unclassifiable, leaving 35,185 establishments in the four

categories of ownership. Individual ownership numbered 13,786 establishments, partnerships, 3,923, incorporated companies 16,566 and co-operatives 910. The percentage distribution of the four categories of ownership are given below for the years 1946 to 1958. It is interesting to note that incorporated companies are becoming increasingly important, the percentage of the total number of establishments having risen from 33.4 in 1946 to 47.1 in 1958 while the other three categories declined in importance. This trend to incorporation is no doubt accentuated by the favourable income tax rate allowed companies on the first \$25,000 of income.

Year	Individual ownership	Partnerships	Incorporated companies	Co-operatives
1946 (estimated) 1947 1948 1949 1950 1951 1952 1952 1953 1954 1955 1956 1857	47.3 46.4 46.2 46.6 44.6 44.9 43.6 42.7 41.4 40.6 39.2	16. 0 16. 1 16. 4 15. 8 15. 0 15. 5 15. 4 14. 8 13. 6 12. 7 12. 0 11. 1	33.4 34.3 35.3 36.3 36.9 38.9 38.2 41.1 44.9 47.1	3.3 3.2 3.0 2.9 3.1 3.0 2.8 2.6 2.6 2.5 2.5

As is to be expected, the smaller establishments, regardless of the type of products manufactured, are carried on mainly under individual ownership or partnerships. Industries conducted on a small scale usually contain a large number of establishments in this category, the percentage decreasing as the scale of operation increases. As the above table shows, establishments under individual ownership comprised 39.2 p.c. of the total number engaged in manufacturing in 1958. Partnerships accounted for 11.1 p.c., incorporated companies 47.1 p.c. and co-operatives 2.6 p.c.

Of the 11,328 establishments with shipments of under \$25,000, 74.8 p.c. were individual ownership, 14.6 p.c. partnerships, 10.1 p.c. incorporated companies and 0.5 p.c. co-operatives. With the increase in the size of the establishment the importance of individual ownership as well as that of partnerships declines. In the case of incorporated companies, however, the opposite is true. As the size increases their numerical importance increases as the following table shows.

TABLE 15. Percentage Distribution of the Manufacturing Industries of Canada, by Type of Ownership and Size of Establishment, 1958

	Under	\$25,000 to	\$100,000 to	\$500,000
	\$25,000	\$99,999	\$499,999	and over
Establishments: Individual ownership Partnerships Incorporated companies Co-operatives	74.8	44.3	11.3	0.7
	14.6	16.0	7.6	1.0
	10.1	37.0	75.7	96.1
	0.5	2.7	5.4	2.2
Totals	100.0	100.0	100.0	100.0
Employees: Individual ownership Partnerships Incorporated companies Co-operatives	67.7	38. 2	6.9	0.2
	18.2	16. 2	6.2	0.3
	13.7	44. 2	85.0	98.9
	0.4	1. 4	1.9	0.6
Totals	100.0	100.0	100.0	100.0
Factory shipments: Individual ownership Partnerships Incorporated companies Co-operatives	70.9	40.2	8.4	0.2
	15.4	15.7	6.4	0.3
	13.1	41.0	80.2	98.5
	0.6	3.1	5.0	1.0
Totals	100.0	100.0	100.0	100.0

The establishments operating under individual ownership are not as important, from the point of view of employment provided, as their large numbers would indicate. According to Tables 16 and 17, these establishments which comprise 39 p.c. of the total have only 4 p.c. of the total employees. Partnerships accounted for 11 p.c. of the number of establishments and 2 p.c. of the total employees. Incorporated companies with 47 p.c. of the number of establishments had 92 p.c. of the employees. Co-operatives with 3 p.c. of the establishments had 1 p.c. of the employees.

On the basis of employment provided, incorporated companies are, by a wide margin, the most important factor in the employment field. Rubber, electrical apparatus and supplies, paper products, transportation equipment and products of petroleum and coal groups had 99 p.c. of the total employees. Incorporated companies in the chemical, tobacco and non-ferrous
metal products groups had 98 p.c., iron and steel products and
textile mills 96 p.c., knitting mills and non-metallic mineral
products establishments 94 p.c., leather products 92 p.c.,
miscellaneous industries 90 p.c., printing, publishing and
allied industries 88 p.c., clothing 85 p.c. and foods and beverages 83 p.c. Companies in the wood products group with 79
reported the lowest percentage of the total employment.

TABLE 16. Percentage Distribution of Establishments in the Manufacturing Industries classified by Type of Ownership, by Provinces and Industrial Groups, 19581

Province and group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
			per cent		
Province					
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories	52.3 47.2 50.2 50.4 44.2 33.1 40.6 52.2 37.3 32.6	26.9 15.3 12.1 9.2 9.1 11.5 10.6 14.0 11.1	20.8 29.5 35.4 38.2 42.7 53.7 47.4 28.9 47.9 53.9	8.0 2.3 2.2 4.0 1.7 1.4 4.9 3.7 1.2	100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0
Canada	39. 2	11.1	47. 1	2, 6	100.0
Industrial group Foods and beverages Tobacco and tobacco products Rubber products Leather products Textile mills Knitting mills Clothing Wood products Paper products	43. 2 17. 5 11. 2 26. 3 27. 8 16. 2 25. 1 58. 5	10.0 2.5 2.2 7.8 10.0 8.4 13.4 14.8	36.4 72.5 86.6 65.9 62.1 75.1 61.5 26.5	10.4 7.5 — 0.1 0.3 — 0.2	100. 0 100. 0 100. 0 100. 0 100. 0 100. 0 100. 0
Printing, publishing and allied industries¹ Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous manufacturing industries	40. 2 22. 4 25. 5 21. 3 6. 3 28. 1 2. 6 13. 5 34. 0	12.6 9.6 8.2 10.1 2.4 10.0 1.7 2.7 10.3	46.8 67.7 66.3 68.6 91.3 61.8 94.8 83.3 55.7	0.4 0.3 - - 0.1 0.9 0.5	100.0 100.0 100.0 100.0 100.0 100.0 100.0

 $^{^{1}}$ Four main categories of ownership only; the non-classifiable group is not included. 2 Included with incorporated companies.

TABLE 17. Percentage Distribution of Employment in the Manufacturing Industries classified by Type of Ownership, by Provinces and Industrial Groups, 19581

Province and group	Individual ownership	Partnerships	Incorporated companies	Co-operatives	Total
			per cent		
Province		}			
Newfoundland Prince Edward Island Prince Edward Island Nova Scotia New Brunswick Quebec Ontarlo Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories	5.6 16.7 8.2 8.3 5.7 2.9 4.6 9.8 5.7 4.4	4.9 8.2 2.5 2.5 2.6 1.9 4.6 2.8 2.6	89.5 66.0 87.8 90.7 94.9 92.2 73.0 89.1 91.2	9. 1 1. 7 1. 4 1. 0 0. 3 0. 9 12. 6 2. 4 1. 8	100. 0 100. 0 100. 0 100. 0 100. 0 100. 0 100. 0 100. 0 100. 0
Canada	4.4	2.3	92.4	0.9	100.0
Industrial group Foods and beverages Tobacco and tobacco products Rubber products Leather products Textile mills Knitting mills Clothing Wood products Paper products Paper products Paper products Iron and steel products Electrical apparatus and supplies Iron and all contacts Iro	8.1 0.8 0.3 5.6 2.5 3.1 7.2 14.6 0.3 6.9 1.8 0.6 1.2 0.1 3.5 0.9 0.9	3 3.1 3 1.4 2.8 7.0 6.2 0.2 3.6 1.5 0.2 0.3 2.1 0.2 3.2	83.9 98.0 99.7 92.1 96.1 85.8 78.8 99.5 88.7 96.7 99.2 98.0 99.6 94.4 99.1 98.7 90.8	4.9 1.2 	100. 0 100. 0

 $^{^1}$ Four main categories of ownership only; the non-classifiable group is not included. 2 Included with incorporated companies. 3 Included with individual ownership

TABLE 18. Percentage Distribution of Employment in the Forty Leading Industries by Type of Ownership, 1958

No.	Industry	Individual ownership	Partner- ships	Incorporated companies	Co- operatives	Total
1	Pulp and paper	_	_	100.0	_	100.0
1 2	Petroleum products	1	_	100.0	1	100.0
3	Non-ferrous metal smelting and refining	_	_	100.0		100.0
4	Slaughtering and meat packing	0.9	0.5	96.9	1.7	100.0
5	Motor vehicles		-	100.0	-	100.0
6	Iron and steel products	_	_	100.0	_	100.0
7	Sawmills	22. 2	8.8	68. 4	0.6	100.0
8	Butter and cheese	5. 6	3.3	69. 1	22. 0	100.0
9	Aircraft and parts	0.1	2	99.9	_	100.0
10	Miscellaneous electrical apparatus and supplies	0.1	0.4	99.5	-	100.0
11	Miscellaneous food preparations	1.7	0.9	97.4	-	100.0
12.	Bread and other bakery products	22. 5	6.4	70.9	0.2	100.0
13	Sheet metal products	2. 0	1. 1	96.9	_	100.0
14	Printing and publishing	4.6	1.5	93.4	0.5	100.0
15	Machinery, industrial	0.7	1.0	98.3	-	100.0
16	Furniture	10.9	5.8	83. 0	0.3	100.0
17	Rubber goods, including footwear	0.3	2	99.7	-	100.0
18	Railway rolling stock	-		100.0	-	100.0
19	Motor vehicle parts	1. 1	0.4	98. 5	-	100.0
20	Boxes and bags, paper	1.0	0.7	98.3	-	100.0
21	Fruit and vegetable preparations	3. 5	1.9	91.5	3. 1	100.0
22	Clothing, men's factory	2. 2	5.4	92. 4	- 1	100.0
23	Acids, alkalies and salts	-		100.0	_	100.0
24	Printing and bookbinding	11.0	6.2	81.4	1.4	100.0
25	Castings, iron	1.4	0.9	97.7	-	100.0
26	Feeds, stock and poultry, prepared	12.8	5.0	57.6	24.6	100, 0
27	Clothing, women's factory	3, 8	6.2	90.0	_	100.0
28	Machinery, heavy electrical	0.9	-	99.1	-	100.0
29	Telecommunication equipment	0. 2	0.5	99.3	-	100.0
30	Sash, door and planing mills	13.8	5. 7	80.5	1	100.0
31	Breweries	-	-	100.0	-	100.0
32	Flour mills	1. 0	1.6	97. 4	1	100. 0
33	Miscellaneous chemical products	1.0	0.2	98.8	-	100.0
34	Bridge and structural steel	0.5	2	99.5	-	100.0
35	Cotton yarn and cloth	0. 1	2	99.9	-	100.0
36	Tobacco, cigars and cigarettes	1.0	2	99.0	-	100.0
37	Concrete products	7. 3	4. 4	88. 3	-	100.0
38	Fish processing	7.8	1. 7	82. 8	7.7	100.0
39	Synthetic textiles	1	-	100.0	-	100.0
40	Brass and copper products	1.4	1.1	97.5	_	100.0

Included with incorporated companies.
 Included with individual ownership.

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada and Each Province, grouped according to the Type of Ownership, 1958

	according	to the Type	of Ownership,	1958		
Province	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	numl	ner		dol	lars	
Canada: Individual ownership Partherships Incorporated companies Co-operatives Not classifiable ¹	13,786 3,923 16,566 910 1,556	56,774 29,863 1,186,049 11,054 5,862	125,720,072 76,009,544 4,551,142,361 32,526,522 17,097,761	11,139,182 5,149,768 527,900,822 5,118,760	276,778,075 149,700,859 11,100,584,105 260,225,058 34,279,374	492,593,841 277,833,480 20,983,541,000 333,101,799 76,116,188
Totals	36,741	1,289,602	4, 802, 496, 260	549, 308, 532	11, 821, 567, 471	22, 163, 186, 308
Newfoundland: Individual ownership Partnerships Other ownership Not classifiable ¹	393 202 157 16	540 467 8,588 9	421,478 338,296 28,451,160 22,635	46,281 32,515 6,823,923	1,002,108 617,160 50,410,425 126,598	1,842,388 1,265,740 113,598,889 272,183
Totals	768	9,604	29, 233, 569	6, 902, 719	52, 156, 291	116, 979, 200
Prince Edward Island; Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable ¹	83 27 52 14 3	272 133 1,077 149	418,385 218,807 2,512,922 239,829 42	54,907 27,463 304,020 33,052	1,297,788 438,442 14,694,432 2,765,762 7,033	2,040,296 871,868 20,380,545 3,585,778 9,241
Totals	179	1,632	3, 389, 985	419,442	19, 203, 457	26, 887, 728
Nova Scotia: Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable ¹	622 151 438 28 58	2,395 711 25,348 484 72	4,068,361 1,097,365 79,863,378 936,241 40,208	447,235 113,668 13,374,006 119,982	10,815,997 3,293,826 198,617,480 4,272,181 264,119	18,536,186 5,332,342 381,960,496 5,742,859 357,364
Totals	1,297	29, 010	86,005,553	14, 054, 891	217, 263, 603	411, 929, 247
New Brunswick: Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable ¹	462 84 350 20 23	1,727 515 18,178 295 29	2,585,316 884,842 56,902,505 643,884 60,624	336,054 105,777 12,605,106 115,189	8,515,398 1,995,088 152,462,424 7,389,864 198,201	13,647,006 3,746,819 285,129,052 9,156,564 342,376
Totals	939	20,744	61,077,171	13, 162, 126	170, 560, 975	312, 021, 817
Quebec: Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable ¹	5,021 1,036 4,851 461 459	24,417 11,281 386,709 3,786 3,165	51,394,254 28,211,868 1,377,672,498 9,051,478 10,275,810	4,427,209 1,652,214 175,646,400 1,650,660	123,777,699 56,637,061 3,301,773,512 98,292,401 17,304,172	209,660,613 103,910,334 6,279,159,010 119,122,942 42,945,379
Totals	11,828	429, 358	1,476,605,908	183, 376, 483	3, 597, 784, 845	6,754,798,278
Ontario: Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable	4,201 1,465 6,803 210 597	17,741 11,555 573,404 1,712 1,950	45,385,318 32,443,547 2,324,335,680 5,204,422 5,285,685	3,807,420 2,081,849 235,017,465 992,785	95,074,082 63,305,091 5,486,711,333 47,277,585 11,951,406	172,983,492 116,731,575 10,491,125,196 59,493,574 23,694,495
Totals	13,276	606, 362	2,412,654,652	241, 899, 519	5, 704, 319, 497	10,864,028,332
Manitoba: Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable ¹	618 160 721 22 113	1,960 968 38,914 377 163	4,178,598 2,387,602 134,854,804 1,066,462 372,019	12,244,674 155,269	8,888,219 4,705,846 374,843,415 8,046,470 969,222	16,058,954 8,785,323 656,658,892 10,852,044 1,696,110
Totals	1,634	42,382	142,859,485	12, 909, 365	397, 453, 172	694, 051, 323
Saskatchewan: Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable ⁴	482 129 267 45 47	1,200 567 8,909 1,535	2,296,628 1,224,729 33,817,712 5,741,388 147,935	132,108 7,548,853 1,021,700	3,383,011 2,545,257 154,545,776 37,927,555 432,375	7,461,735 4,743,640 266,424,407 52,029,843 638,816
Totals	970	12,283	43, 228, 392	8, 945, 126	198, 833, 974	331, 298, 441

¹ Consists of the industry "Publishing (only) of Periodicals".

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada and Each Province, grouped according to the Type of Ownership, 1958 — Concluded

Province	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		doll	ars	
Alberta: Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable ¹ Totals	624 186 803 62 87 1,762	2,136 1,064 33,670 888 102 37,860	4,832,764 2,680,688 129,751,086 2,632,793 237,848 140,135,179	421,706 227,482 15,766,712 289,781 	8,185,886 4,839,334 459,702,121 21,797,180 787,326 495,311,847	16, 890, 886 10, 003, 649 793, 537, 580 26, 262, 437 1, 557, 442 848, 251, 994
British Columbia; Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable ¹	1,277 483 2,112 47 153	4,375 2,602 91,121 1,825 299	10,094,118 6,521,800 382,354,411 7,003,025 654,855	1,000,586 620,379 48,197,474 738,542	15,814,561 11,323,754 904,159,740 32,402,249 2,239,322	33,363,582 22,442,190 1,691,773,134 46,778,771 4,602,782
Totals	4,072	100,222	406, 628, 209	50,556,981	965, 939, 626	1,798,960,459
Yukon and Northwest Territories; Individual ownership Incorporated companies	3 13	11 134	44,852 633,305	2,210 373,989	·23,326 2,716,858	108,703 3,870,786
Totals	16	145	678, 157	376, 199	2,740,184	3,979,489

¹ Consists of the industry "Publishing (only) of Periodicals".

TABLE 20. Principal Statistics of the Manufacturing Industries of Canada classified by Industrial Groups and by type of Ownership 1958

Industrial group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments		
	nun	nber	dollars					
Foods and beverages: Individual ownership Partnerships Incorporated companies Co-operatives	3,634 840 3,065 878	15,289 5,880 159,799 9,477	33,680,205 14,888,253 547,903,400 26,817,738	5,414,869 2,154,676 54,928,928 4,382,475	130,397,895 53,995,837 2,517,071,943 237,846,828	195,371,995 82,858,358 3,951,262,189 299,396,747		
Totals	8,417	190, 445	623, 289, 596	66, 880, 948	2,939,312,503	4,528,889,289		
Tobacco and tobacco products: Incorporated companies Co-operatives Other ownership	29 3 8	10,115 124 80	36,683,249 266,445 193,908	884,025 11,667 5,690	204, 134, 641 1, 710, 981 197, 912	302,725,358 1,979,215 434,063		
Totals	40	10,319	37, 143, 602	901,382	206,043,534	305, 138, 636		
Rubber products: Incorporated companies Other ownership	77 12	19,881 62	76,306,993 138,010	5,021,344 8,069	128, 423, 011 149, 605	308,000,568 382,628		
Totals	89	19, 943	76, 445, 003	5,029,413	128,572,616	308, 383, 196		
Leather products: Individual ownership Partnerships Incorporated companies Totals	157 47 394 598	1,684 691 27,776 30,151	3,802,576 1,624,817 73,256,406 78,683,799	104, 445 28, 671 2, 141, 291 2, 274, 407	5,973,086 2,409,266 116,281,384 124,663,736	11,531,340 4,943,771 230,351,654 246,826,765		
Textile products: Individual ownership Partnerships Other ownership Totals	251 90 562 903	1,559 882 61,031 63,472	3,437,292 2,110,766 187,779,890 193,327,948	191,127 99,304 14,649,852 14,940,283	5,475,813 2,533,711 386,611,579 394,621,103	11, 284, 999 5, 947, 113 721, 458, 602 738, 690, 714		
Clothing: Individual ownership Partnerships Incorporated companies Totals	618 330 1,512	6,249 6,137 75,354	12,740,446 15,288,529 189,943,910	273,861 249,754 2,636,003	18,824,472 24,030,639 346,388,585	38, 018, 466 47, 504, 422 662, 786, 571		
I OtalS	2,460	87,740	217, 972, 885	3, 159, 618	389, 243, 696	748, 309, 459		
Knitting mills: Individual ownership Partnerships Other ownership	52 27 242	638 592 19,706	1,268,090 1,289,307 47,271,772	56,259 29,119 1,776,053	2,918,036 2,999,597 82,692,755	5,088,659 5,021,397 163,466,519		
Totals	321	20, 936	49,829,169	1,861,431	88,610,388	173, 576, 575		

TABLE 20. Principal Statistics of the Manufacturing Industries of Canada classified by Industrial Groups and by type of Ownership 1958 — Concluded

	and by type	or Owners	11p 1958 — Cond	riuded		
Industrial group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		dol	lars	
Wood products: Individual ownership	5,761	17,645	32,610,397	2 000 171	00 500 150	1
Partnerships	1,454 2,621 12	7,476 95,460 341	15,372,084 320,593,424 1,005,644	2,989,171 1,296,173 16,474,356 73,802	69,560,150 29,818,792 615,804,291 2,279,303	130,580,541 56,569,407 1,152,696,415 3,747,216
Totals	9,848	120, 922	369, 581, 549	20,833,502	717, 462, 536	1,343,593,579
Paper products:						
Individual ownership Partnerships Incorporated companies	40 12 510	247 177 92,511	644,309 447,767 408,486,159	25,187 17,552 110,325,622	1,472,320 908,153 880,775,585	2,608,115 1,597,173 1,885,255,105
Totals	562	92, 935	409, 578, 235	110, 368, 361	883, 156, 058	1,889,460,393
Drinting publishing and allied industrian						
Printing, publishing and allied industries: Individual ownership	1,156	4,626	13,887,008	500,666	10,391,960	33.542.637
Partnerships Incorporated companies	362 1,355	2,357 58,996	7,702,172 247,887,308	212,984 5,074,503	6,030,682 196,482,825	33,542,637 17,752,684 631,838,553
Co-operatives	5 1,555	381 5,861	1,397,694 17,097,063	31,597	1,062,181	2,857,268
Totals	4, 433	72, 221	287, 971, 245	5, 819, 750	34, 276, 410 248, 244, 058	76,112,227
	2, 200	10,001	201, 311, 243	3, 613, 130	240, 241, 038	762, 103, 369
Iron and steel products; Individual ownership	731	3,307	9,650,810	538,571	9.071.893	24 641 202
Partnerships Other ownership	315 2, 208	2,610 173,523	8,809,887 738,712,537	420, 275 55, 596, 318	13,520,990	24,641,283 27,398,913
Totals	3,254	179,440	757, 173, 234	56, 555, 164	1, 248, 117, 337 1, 270, 710, 220	2,653,642,603 2,705,682,799
	0,101	210,110	101, 110, 231	30, 333, 104	1,210,110,220	2, 103, 002, 199
Transportation equipment: Individual ownership	160	684	1,788,053	81,939	2,015,567	4,797,997
Partnerships Incorporated companies	51 415	275 125,017	794,609 550,842,870	31,573 20,636,637	1,252,725 1,150,301,095	2,542,728
Totals	626	125, 976	553, 425, 532	20, 750, 149	1,153,569,387	2,068,567,059 2,075,907,784
	0.00	120,010	000, 400, 000	20, 130, 143	1,133,309,361	2,015,501,164
Non-ferrous metal products: Individual ownership	126	621	1,756,643	74,688	2,501,959	5,121,247
Partnerships	60 407	399 50, 281	1,194,388	57, 865 69, 627, 889	2, 181, 557 926, 247, 638	4,158,925
Totals	593	51, 301	226,614,472	69, 760, 442	930, 931, 154	1,521,916,869 1,531,197,041
		01,001	200,011,110	00, 100, 110	000, 001, 101	1,551,151,041
Electrical apparatus and supplies: Individual ownership	31	128	338,687	14,567	584,769	1,095,929
Partnerships	12 449	205 74,611	572,963 315,446,123	29,786 9,147,244	2,223,439 471,094,452	2,587,537 1,011,733,270
Totals	492	74,944	316, 357, 773	9, 191, 597	473, 902, 660	1,015,416,736
	134	(2, 522	310, 331, 113	3,131,331	413, 50%, 000	1,015,410,750
Non-metallic mineral products: Individual ownership	350	1,413	3,148,386	534,742	9,537,570	9,452,122
Partnerships Other ownership	125 773	833 38,612	2,239,806 156,423,435	380,028 51,260,437	2, 786, 451 206, 359, 823	7,374,380 619,869,828
Totals	1,248	40,858	161, 811, 627	52, 175, 207	218, 683, 844	636, 696, 330
	1, 220	40,000	101, 011, 021	32, 113, 201	210,000,044	030, 030, 330
Products of petroleum and coal: Individual ownership	3	6	14,657	5,075	33,151	52,118
Other ownership	112	17, 421	89, 475, 849	56,395,735	894, 424, 362	1,466,357,243
Totals	115	17,427	89, 490, 506	56,400,810	894, 457, 513	1,466,409,361
Chemicals and allied products:	155	407	1 127 000	69 222	2 120 540	4,097,741
Individual ownership Partnerships	155	427 149	1,127,089 401,323	62,333 22,169	2, 129, 540 608, 012	1,401,318
Incorporated companies Co-operatives	951	53,814 180	231,520,853 770,065	47,729,142 23,227	582,675,026 3,903,416	1,282,826,854 5,005,779
Totals	1,143	54,570	233, 819, 330	47,836,871	589, 315, 994	1,293,331,692
Miscellaneous manufacturing industry:				000	5 011 011	14 810 115
Individual ownership Partnerships	544 164	2,153 1,159	5,620,584 3,132,470	259,072 115,331	5,641,644 4,042,725	14,746,117 9,540,936
incorporated companies	891	32,690	111, 227, 701	4,194,794	160,382,102	369, 285, 537
Totals	1,599	36,002	119,980,755	4, 569, 197	170, 066, 471	393, 572, 590

Subsection 5. Leading Manufacturing Industries

In the following statement, the rank of the ten leading industries in 1958, from the standpoint of gross value of production or value of shipments is compared with their respective ranks in significant years since 1922.

	Rank in									
Industry	1958	1049	1944	1939	1933	1929	1922			
Pulp and paper	1	1	5	2	1	1	2			
Petroleum products	2	5	14	6	6	10	9			
Non-ferrous metal smelting and refining	3	3	2	1	2	9	1			
Slaughtering and meat packing	4	2	1	3	3	2	3			
Motor vehicles	5	4	7	5	11	4	6			
Primary iron and steel	6	8	13	11	31	16	20			
Sawmills	7	6	11	8	14	5	4			
Butter and cheese	8	7	10	4	5	6	5			
Aircraft and parts	9	1	4	1	1	1	1			
Miscellaneous electrical apparatus and supplies	10	19	2	2	2	2	2			

A prominent feature of Canadian Manufacturing development during the past twenty-five years has been the rapid growth of non-ferrous metal smelting. This industry, based upon the rich base-metal resources of the country, has taken its place among the leading manufactures, along with the industries based upon forest, agricultural and live-stock resources. Another feature of this development in manufacturing production is the rise of the petroleum products industry from fourteenth place in 1944 to second place since 1958. This is the direct result of the recent discoveries and development of the large oil resources of the Prairie Provinces and the rapid industrialization of Canada during the past decade.

The incidence of the depression resulted in a re-arrangement of the ranking of many industries which in some cases has proved to be temporary. During the war, the industries engaged in producing the equipment needed by the armed forces, such as shipbuilding, aircraft, automobiles, miscellaneous chemical products, and primary iron and steel, advanced to higher positions. When the war ended, the industries engaged in the production of consumer goods, by reason of the expanded demand for their products, bettered their position. Pulp and paper, after a lapse of a number of years, resumed its premier position.

The impetus given to Canadian manufacturing production by the Korean war is reflected in the advance of the aircraft industry to ninth position. This industry which did not rank among the forty leading industries before World War II was in fourth place in 1944 and sixteenth place in 1952. The shipbuilding industry also bettered its position as a result of the defence program occasioned by the Korean war. This industry which did not rank among the forty leading industries in 1949 advanced to thirty-fourth place in 1952 and 1954. With the slackening in defence spending, operations declined with the result that since 1955 this industry, again, does not rank among the forty leading industries.

The change over from war to peace-time production which was completed by about 1949 was accompanied by some major changes in the ranking of the leading industries. The minor recession experienced in 1954 also had its impact on the ranking of the leading industries for several years, but with the recovery which followed, the ranking of the industries resumed a more normal pattern. For the decade 1949-1958, the volume of the durable goods industries advanced by 38.6 p.c. as compared with 39.5 for non-durable or consumer goods. A number of the industries producing durable goods accordingly bettered their position since 1949. Primary iron and steel advanced from eighth to sixth place, and miscellaneous electrical apparatus and supplies from nineteenth to tenth place. Aircraft and parts which did not rank among the forty leading industries in 1949 advanced to ninth place in 1958. Motor vehicles which are credited to durable goods, however, dropped from fourth to fifth place. Of the consumer goods industries the most notable advance was made by petroleum products which rose from fifth to second place. Other consumer goods industries declined in relative importance. Slaughtering and meat packing dropped from second to fourth place, sawmills from sixth to seventh place and butter and cheese from seventh to eighth place. Pulp and paper and non-ferrous metal smelting and refining retained the same position in 1958 as in 1949. viz., first and third place respectively.

Did not rank among the forty leading industries.
 This industry was not classified separately but was included with electrical apparatus and supplies.

TABLE 21. Principal Statistics of the Forty Leading Industries of Canada, Ranked according to Selling Value of Factory Shipments, 1958

_	Selling Value of Factory Shipments, 1958											
No.	Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments					
		nu	mber		dol	lars						
1	Pulp and paper	128	64,084	307, 415, 615	597,804,877	702, 950, 789	1,394,679,180					
2	Petroleum products	71	14, 490	76, 643, 818	829, 920, 509	487, 676, 382	1,368,649,0872					
3	Non-ferrous metal smelting and refining	25	26,959	131,081,250	693, 796, 744	378, 451, 364	1, 135, 770, 5062					
4	Slaughtering and meat packing	178	25,712	102, 676, 636	852, 842, 056	196, 229, 499	1,050,461,233					
5	Motor vehicles	15	26,396	129, 718, 693	571, 501, 488	253, 945, 274	847, 342, 113					
6	Primary iron and steel	50	30,261	148,023,062	250, 669, 538	304,923,587	590, 317, 696					
7	Sawmills	5,769	47,763	142,700,044	300, 342, 531	236, 752, 567	546, 299, 3592					
8	Butter and cheese	1,222	20,879	69, 033, 691	390, 474, 716	118,079,130	522, 792, 666					
9	Aircraft and parts	75	39,932	182, 276, 877	176, 538, 577	281,131,994	462, 331, 2452					
10	Miscellaneous electrical apparatus and supplies	179	25, 116	101, 160, 900	164, 052, 742	175,827,814	347,837,077					
11	Miscellaneous food preparations	299	9,752	34, 397, 174	223,011,577	121,110,541	345, 905, 114					
12	Bread and other bakery products	2,637	35, 618	106, 968, 772	157, 267, 880	172, 605, 555	340, 918, 015					
13	Sheet metal products	473	19,107	78, 135, 571	175, 251, 811	154, 400, 230	333, 264, 998					
14	Printing and publishing	746	30,557	127,741,392	86, 411, 545	238, 784, 246	327, 687, 195					
15	Machinery, industrial	379	23, 347	95, 602, 417	133, 424, 224	167,442,946	311,094,856					
16	Furniture	1,820	31,505	97, 807, 441	149,036,129	156, 566, 548	308, 815, 752					
17	Rubber goods, including footwear	89	19,943	76, 445, 003	128, 572, 616	174,828,149	308, 383, 196					
18	Railway rolling stock	29	22,374	87, 953, 769	188, 155, 709	103,799,162	295, 961, 2502					
19	Motor vehicle parts	206	18,132	77,730,771	155, 921, 088	133, 476, 810	295, 741, 107					
20	Boxes and bags, paper	223	16,596	57, 658, 588	168, 339, 354	108, 276, 046	277, 464, 661					
21	Fruit and vegetable preparations	396	16, 167	43, 444, 553	174, 886, 029	97,959,887	276, 697, 891					
22	Clothing, men's, factory	546	29,969	74,013,879	144, 479, 417	116,633,091	264, 293, 851					
23	Acids, alkalies and salts	59	10,073	49,780,443	111,593,209	126,831,706	260,967,832					
24	Printing and bookbinding	1,829	26, 422	99, 473, 204	95, 823, 864	161,100,612	258, 323, 523					
25	Castings, iron	189	15,081	61, 177, 434	132, 575, 064	114,962,422	253, 444, 707					
26	Feeds, stock and poultry, prepared	891	6,655	20, 538, 213	193,728,346	55, 314, 719	251,753,902					
27	Clothing, women's, factory	660	25,676	68, 469, 880	132, 488, 602	117,611,885	250, 457, 423					
28	Machinery, heavy, electrical	80	20,074	97, 573, 375	97, 534, 523	139,709,541	244, 743, 678					
29	Telecommunication equipment	127	19,100	75, 497, 784	119, 506, 470	122,008,393	237, 994, 688					
30	Sash, door and planing mills	1,555	17,956	54, 759, 186	141, 193, 742	92, 918, 992	236, 990, 148					
31	Breweries	55	8,148	37,708,857	55, 655, 573	172, 383, 258	232, 353, 488					
32	Flour mills	71	4,412	15, 949, 136	173, 438, 129	43, 364, 618	218, 321, 216					
33	Miscellaneous chemical products, n.e.s	267	12,411	53, 169, 953	105,608,965	103,550,460	217, 508, 017					
34	Bridge and structural steel	65	14, 531	66,027,964	100,702,283	108,320,903	210, 882, 7022					
35	Cotton yarn and cloth	48	19,434	53, 514, 574	124, 740, 866	79,580,664	210, 291, 534					
36	Tobacco, cigars and cigarettes	25	8,476	32, 144, 308	108,871,666	88,230,628	196,947,716					
37	Concrete products	684	11,819	44,807,114	91, 364, 354	91,419,385	186, 235, 051					
38	Fish processing	431	13, 193	28, 367, 424	122, 632, 908	60,533,456	180,783,504					
39	Synthetic textiles	48	14,436	49, 357, 206	81, 967, 412	87,011,785	177, 213, 641					
40	Brass and copper products	155	9,034	36,441,269	107, 392, 740	68, 161, 993	176, 400, 890					
	Totals, leading industries	22,794	851, 590	3, 293, 387, 240	8,809,519,873	6, 714, 867, 031	15, 954, 321, 708					
	Totals, all industries	36, 741	1,289,602	4, 802, 496, 260	11,821,567,471	9,792,505,931	22, 163, 186, 308					

¹ See footnote 1, Table 1. ² Reported on a production basis.

SECTION 4. PRINCIPAL FACTORS IN MANUFACTURING PRODUCTION

The subjects treated under this Section include capital, inventories, employment, salaries and wages, size of establishments and nower and fuel used in manufacturing.

Subsection 1. Capital and Repair Expenditures

Prior to 1944 the following information on capital investment was collected: Fixed Capital—Land, buildings, fixtures, machinery, tools and other equipment. Working Capital—(1) Inventory value of raw materials, stocks in process, fuel and miscellaneous supplies on hand; (2) Inventory value of finished products; (3) Cash, bills and accounts receivable, prepaid expenses, etc. This was replaced by the collection of statistics on the expenditure on fixed capital and repairs.

The remarkable increase in capital employed in Canadian manufactures from the beginning of the twentieth century has, of course, run parallel with the rapid growth in industrial operations. From 1900 to 1905 the capital increased from \$446,900,000 to \$833,900,000 and advanced to \$1,958,700,000 in 1915. During this period returns were received from establishments with 5 hands or over, and, while the rise in wholesale prices did not exceed 37 p.c., the capital employed in manufactures increased nearly 340 p.c.

Capital expenditures by manufacturers in 1958 totalled \$397,600,000 for construction and \$697,400,000 for machinery and equipment, while \$571,900,000 went for repairs. Of the total capital expenditures amounting to \$1,095,000,000 in

1958, 13.1 p.c. was reported by the products of petroleum and coal group, 11.6 p.c. by paper products, 11.5 p.c. by foods and beverages and iron and steel products, 10.6 p.c. by chemicals and allied products, 8.8 p.c. by non-ferrous metal products, 5.0 by transportation equipment, 3.7 p.c. by non-metallic mineral products, 3.1 p.c. by printing, publishing and allied industries, etc.

Of the groups reporting capital expenditures of \$50,000,000 or more in 1958, five reported decreases and only two, viz., products of petroleum and coal and foods and beverages, reported increases. In 1957 the non-metallic mineral products group also reported capital expenditures of over \$50,000,000 which declined to \$40,300,000 in 1958. Of the groups reporting decreases, paper products with \$139,100,000 led the list, followed by iron and steel products with \$53,200,000, nonferrous metal products \$48,500,000, chemicals and allied products \$33,100,000 and transportation equipment \$8,100,000. Of the groups in the fifty million and over category reporting increases, products of petroleum and coal gained \$13,300,000 and foods and beverages \$9,100,000. Tobacco and tobacco products was the only other group to report an increase in capital expenditures in 1958 which amounted to \$2,500,000.

Variation in Capital Expenditure 1958 Compared with 1957

Group	1958	1957	Variation						
		\$'000,000	1						
Products of petroleum and coal	143.3	130.0	+ 13.3						
Paper products	127.2	266.3	-139.1						
ron and steel products	126.4	179.6	- 53,2						
oods and beverages	126.2	117.1	+ 9.1						
Chemicals and allied products	116.6	149.7	- 33, 1						
fon-ferrous metal products	95.9	144.4	- 48.5						
Pransportation equipment	54.3	62.4	~ 8.1						
All groups	1,095.0	1,478.9	-383.9						

Capital expenditures in 1958 declined by \$383,900,000 as compared with an increase of \$85,100,000 in 1957 and \$447,500,000 in 1956 which was the highest year on record. Since 1950 there were five years with increased expenditures on capital goods. These were—1951, 1952, 1955, 1956 and 1957. Three years, viz., 1953, 1954 and 1958 reported declines. The greatest decline amounting to \$383,900,000 occurred in 1958 and reflects the recession of that year.

Expenditures on capital assets which averaged \$1,059,000,000 during the past eight years reflect the expansion and modernization which the manufacturing industries of Canada have experienced. Although the expansion was at a rapid rate, not all provinces, however, shared in this expansion at an equal rate. Newfoundland had relatively the highest capital expenditures of any province, the percentage of capital expenditures to the value of factory shipments during the period 1950-54 being 11.0 more than double the Canada average. Alberta with 10.7 was in second place and British Columbia with 7.3 was in third place. Ontario and Saskat-

chewan equalled the Canada average of 4.9, while Prince Edward Island, Nova Scotia, New Brunswick, Quebec and Manitoba were below this figure.

Some change in the pattern of capital expenditures was evident during the period 1955 to 1958. All provinces with the exception of Newfoundland and Prince Edward Island reported higher expenditures in actual dollars. On the basis of capital expenditures as a percentage of the value of shipments, Alberta with 10.3 p.c. had the highest ratio. Only three provinces had ratios higher than the Dominion average of 5.7 p.c. These provinces were: Alberta, British Columbia and Newfoundland. New Brunswick equalled the Dominion average while the remaining provinces were below it. A comparison of these ratios for the 1955-58 period with the previous five year period shows that for Canada as a whole this ratio went up from 4.9 p.c. to 5.7 p.c. In Newfoundland, Prince Edward Island and Alberta the ratio of capital expenditure to shipments went down while in the other provinces they were higher.

Comparison of Capital Expenditures with Value of Factory Shipments, 1950-1958

	Annu	al average, 195	0-54	Annual average, 1955-58			
Province	Capital expenditures	Selling value of factory shipments	Capital expenditures as a percentage of shipments	Capital expenditures	Selling value of factory shipments	Capital expenditures as a percentage of shipments	
	\$'000,000		p.c.	\$'000	0,000	p.c.	
Newfoundland	10.9	98.7	11.0	9.3	118.5	7.8	
Prince Edward Island	0.7	22.8	3.2	0.3	25.0	1.2	
Nova Scotia	12.0	301.3	4, 0	19.5	388.7	5.0	
New Brunswick	11.6	289.6	4.0	17.5	308.0	5.7	
Quebec	194.2	5,003.5	3.9	319.3	6,494.8	4.9	
Ontario	401.2	8,135.9	4.9	555.2	10,553.8	5.3	
Manitoba	17.0	553.5	3,1	33.0	648.6	5. 1	
Saskatchewan	12.5	255.0	4.9	16.6	307.7	5.4	
Alberta	53.9	502.1	10.7	76. 7	744.3	10.3	
British Columbia	97.8	1,342.3	7.3	181.1	1,780.7	10.2	
Canada	811.8	16,506.5	4.9	1, 228. 5	21,374.4	5.7	

TABLE 22. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces and Industrial Groups, 1958, with Totals for 1944-57

	· Ca	pital expenditur	es	Repair expenditures			
Group and year	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total	
			\$'000	,000			
1944 1945 1946 1947 1948 1948 1949 1950 1950 1952 1952 1953 1954 1955 1955 1955	61. 3 75. 9 132. 2 184. 7 184. 8 156. 6 135. 4 267. 6 343. 6 324. 5 287. 6 344. 5	150. 1 204. 2 205. 0 343. 2 394. 2 367. 1 525. 0 629. 0 644. 5 534. 5 601. 8 906. 1 959. 0	211, 4 280, 1 337, 2 527, 9 579, 0 535, 8 502, 5 792, 6 969, 0 822, 1 946, 3 1, 393, 8 1, 478, 9	60. 7 63. 1 56. 8 62. 4 78. 9 66. 7 67. 6 85. 0 95. 2 94. 6 97. 6 100. 6 112. 2 115. 4	173.5 170.6 164.3 210.7 253.9 267.2 279.0 337.0 363.5 385.5 390.9 413.0 465.6 498.5	234. 2 233. 7 221. 1 273. 1 332. 6 333. 9 346. 6 422. 7 480. 1 481. 5 513. 6 577. 8 613. 9	
Provinces, 1958							
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia	1.1 0.1 4.2 11.6 83.4 159.0 28.1 18.2 48.3 43.6	4.7 0.2 8.3 13.7 217.2 344.2 20.9 5.3 21.6 61.3	5.8 0.3 12.5 25.3 300.6 503.2 49.0 23.5 69.9 104.9	1.0 0.1 5.5 1.4 29.6 49.3 3.8 2.0 6.7 10.4	5. 1 0. 3 8. 5 9. 4 131. 3 234. 0 8. 8 2. 5 13. 9 48. 3	6.1 0.4 14.0 10.8 160.9 283.3 12.6 4.5 20.6	
Totals	397.6	697.4	1,095.0	109.8	462.1	571.	
Industrial group, 1958 Foods and beverages Tobacco and tobacco products Rubber products Leather products Clothing (textlie and fur) ¹ Wood products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries Miscellaneous industries Capital items charged to operating expenses	40.5 4.1 2.0 0.5 2.6 0.7 8.8 25.5 13.4 35.7 7.3 14.4 136.0 43.1 2.7	85.7 7.5 6.4 1.9 20.7 7.5 22.1 101.7 20.1 90.1 90.7 37.7 52.2 21.8 25.9 7.3 73.5 9.3	126.2 11.6 8.4 22.4 23.3 8.2 30.9 127.2 33.5 126.4 54.3 95.9 29.1 40.3 143.3 116.6 12.0	13.9 1.1 1.0 0.6 2.8 1.1 5.9 7.2 2.0 14.4 10.4 9.6 2.9 22.9 29 21.4	51.4 2.8 7.5 2.3 16.0 3.9 24.7 85.7 6.3 83.3 30.7 49.3 14.0 32.2 6.2 41.9	65.3 8.5 2.9 18.8 5.0 30.6 92.5 8.5 97. 41.1 58.5 16.5 35.1 29.6	

¹ Includes "Knitting mills".

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces 1948-58

	Caj	pital expenditure	S	Re	pair expenditures	
Province	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
Vaufaundland.			\$'00	0,000		
Vewfoundland; 1948						
	2.3	6.0	8.3	1.5	3.6	. 5
1949						4
1950	2.0	5.5	7.5	1.0	3.0	
1951	3.4	6.4	9.8	1.2	4.2	5
1952	5.4	9.7	15.1	0.9	8.5	9
1953	5.2	8.1	13.3	1.6	4.1	5
1954	3.5	5.5	9.0	1.9	. 4.2	6
1955	2.6	6.6	9.2	1.3	5.6	6
1956	1.7	7.8	9.5	1.6	5.1	6
1957	2.0	10.9	12.9	1.7	6.3	8
1958	1.1	4.7	5.8	1.0	5.1	6
ince Edward Island:						
1948	0.1	0.3	0.4	0.1	0.2	(
1949	0.1	0.2	0.3	0.1	0.1	(
					i i	
1950	0.4	0.5	0.9	0.1	0.2	(
1951	0.2	0.2	0.4	0.1	0.2	(
1952	0.4	0.6	1.0	0.2	0.2	(
1953	0.2	0.7	0.9	0.1	0.2	
1954	_	0.2	0.2	0.1	0.3	1
1955	0.1	0.4	0.5	0.1	0.3	1
1956	_	0.2	0.2	-	0.2	(
1957		0.2	0.2	0.1	0.1	(
1958	0.1	0.2	0.3	0.1	0.3	
ova Scotia:						
1948	5.9	6.5	12.4	5.0	5.8	1
1949	3.4	5.5	8.9	2.7	7.5	1
1950	1.7	5.9	7.6	4.0	5.1	
1951	1.8	10.6	12.4	5.0	6.4	1
1952	6.7	10.2	16.9	7.0	8.1	1
1953	4.4	8.9	13.3	7.4	8.4	1
	!			6.1	7.2	1
1954	2.9	7.0	9.9		1	
1955	15.1	7.0	22.1	5.6	8.1	1
1956	15.8	9.4	25. 2	5.9	9.0	1
1957	6.8	10.9	17.7	6.5	9.9	1
1958	4.2	8.3	12.5	5.5	8.5	1
w Brunswick:		10.7	15.1			
1948	4.4	10.7	15.1	1.2	7.1	
1949	2.6	10.0	12.6	1.2	6.5	1
1950	1.2	6.3	7.5	1.1	6.4	'
1951	4.2	13.3	17.5	1.7	7.8	!
1952	3.1	10 6	13.7	1.1	8.5	!
1953	2.1	8.8	10.9	1.7	9.0	1
1954	2.0	6.5	8.5	1.4	8.4	
1955	2.5	9.8	12.3	2.1	8.5	1
1956	4.5	12.7	17.2	1.5	9.2	1
1957	3.5	11.7	15.2	1.3	9.8	1
1958	11.6	13.7	25.3	1.4	9.4	1
lebec;						
1948	58.1	127.3	185.4	20.5	76.6	9
1949	50.4	113.8	164.2	19.1	80.6	9
1950	44.0	108.5	152.5	19.2	81.7	. 10
1951	54.7	143.8	198.5	21.3	96.6	11
1952	66.0	164.9	230. 9	25.5	103.9	12
1953	44.9	140. 2	185. 1	22.0	111.4	13
1954		131.5			113.9	13
	72.4		203.9	22.9		
1955	96.3	167.8	264.1	26.1	116.1	14
1956	114.1	222.6	336.7	30. 2	130.8	16
1957	119.6	256.2	375.8	31.7	131.9	16
1958	83.4	217.2	300.6	29.6	131.3	16

^{..} Not available.

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces 1948-58 - Concluded

		Capital expenditur	es	Repair expenditures			
Province	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total	
			\$'00	0,000			
Ontario:		200.7	290. 1	38.3	123. 4	161.	
1948		177. 1	240. 2	30.0	127. 3	157. 3	
1949		161. 8	217. 9	30. 2	140.9	171.	
1950		257. 4	395. 2	39. 4	170. 4	209. 8	
1951			477. 2	43.6	179.5	223.	
1952		318.9	499.4	43. 5	200. 2	243.	
1953		292.0	416.3	46.0	196. 9	242. 9	
1954			411. 7	43. 3	209. 4	252.	
1955		290.7	630. 1	49. 7	239. 2	288. 9	
1956			675.9	50. 2	261. 8	312, (
1957		456. 4	503. 2	49.3	234. 0	283.	
1958	159, 0	344. 2	303. 4	13.0	201.0	3001	
Manitoba:	0.0	0.2	10.0	2.2	6.1	8. :	
1948			10.9	2, 2		8.	
1949			13. 5	2. 3	6.5	8.	
1950			16.6	2, 1	6.6	10.	
1951		1	17.6	2. 5	7. 5	10.	
1952			11.8	3.4	1	12.	
1953			11.8	3. 2	9.1	11.	
1954			27.0	3.7	8. 2 7. 5	11.	
1955			28. 3	4.0		13.	
1956			24. 2	3.9	9.3	13.	
1957			30.4	4. 2	9.4	12.	
1958	28. 1	20.9	49.0	3, 8	0.0	140	
Saskatchewan:						0	
1948	2. 0	3. 3	5. 3	1.0	1. 5	2.	
1949	3. 5	7. 0	10.5	0.6	2. 4	3.	
1950	2. 3	6. 2	8. 5	0.5	2.6	3.	
1951	3. 7	9.5	13. 2	1. 2	2, 4	3.	
1952	3. 5	6. 2	9. 7	1. 4	2. 8	4.	
1953		4.6	17.8	1. 9	2. 9	4.	
1954	9. 8	3. 5	13. 3	2, 6	2. 3	4.	
1955	5. 3	3. 6	8. 9	3, 0	1. 9	4.	
1956	6. 7	12.6	19. 3	2. 2	2, 1	4.	
1957	5. 2	9.4	14. 6	2.8	2.4	5.	
1958	18. 2	5.3	23. 5	2.0	2. 5	4.	
Alberta:							
1948	9, 6	6.7	16.3	2, 0	4, 8	6.	
1949			12.9	1.6	6. 1	7.	
1950			16.6	1.7	6.1	7.	
1951			36.6	2. 7	5. 8	8.	
1952			75. 2	4. 1	7. 1	11.	
1953			91. 5	3.9	8.7	12.	
1954			49.6	4. 2	10. 2	14.	
1955			61. 4	5. 4	11.0	16.	
1956		1	114. 1	5. 9	10.9	16.	
1957	-		61.6	7. 6	13.5	21.	
1958			69.9	6.7	13. 9	20.	
British Columbia:	12. '	7 30.4	43. 1	8.6	28. 4	37	
1948			64. 4	7. 6	26.6	34.	
1949			66.9	7. 7	26. 4	34	
1950				9.9	35.7	45	
1951			121. 1	8.0	35.5	43	
1952			125. 0	9. 3	31. 5	40	
1953			84. 4	8.7	39. 3	48	
1954				9. 7	44.6	54	
1955				11.3	49.8	61	
1956		1		9. 2	53. 4	62	
1957				10.4	48. 3	58	
1958	43.	6 61.3	104.9	10.4	40.3	30	

TABLE 24. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-58

	Ca	pital expenditure	s	Re	Repair expenditures			
Group and year	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total		
			\$'00	0,000				
Foods and beverages: 1944 1946 1948 1950 1952 1953 1954 1955 1956 1957	10.7 24.7 31.9 26.0 26.6 26.0 38.6 38.5 32.6 36.3 40.5	11. 4 28. 4 56. 5 49. 2 50. 7 59. 0 65. 7 65. 4 76. 5 80. 8 85. 7	22. 1 53. 1 88. 4 75. 2 77. 3 85. 0 104. 3 103. 9 109. 1 117. 1 126. 2	8.5 12.3 13.2 10.0 12.5 12.8 13.2 12.6 12.2 13.0	21.2 20.5 28.6 31.6 36.0 40.1 41.2 43.5 45.0 51.0	29.7 32.8 41.8 41.6 48.5 52.9 54.4 56.1 57.2 64.0 65.3		
Tobacco and tobacco.products: 1944 1946 1948 1950 1952 1953 1954 1955 1956 1956	1, 2 0, 8 1, 0 0, 5 1, 0 0, 6 1, 6 3, 5 1, 9 4, 1	0.9 1.9 1.6 1.8 2.2 2.5 2.8 4.7 7.2	2.1 2.7 2.6 2.3 3.2 3.1 4.4 8.2 9.1	0.5 0.5 0.4 0.5 0.6 0.7 0.9 0.9	-0.6 1.3 1.3 1.3 1.5 1.7 1.7 2.1 2.7 2.8	1.1 1.8 1.7 1.8 2.1 2.4 2.6 3.0 3.8 3.9		
Rubber products (including footwear): 1944 1946 1948 1950 1952 1953 1953 1954 1956 11956 11958	3.9 1.5 0.6 2.7 4.1 4.6 3.0 2.9 6.1	3.6 4.5 4.1 7.3 11.1 11.1 11.0 10.9 6.4	7.5 6.0 4.7 10.0 15.2 15.7 15.1 13.9 17.0 8.4	1.1 0.9 0.7 0.9 1.3 1.0 0.8 1.1		4.8 5.5 5.3 6.9 7.4 6.9 7.6 8.5 8.9		
Leather products: 1944 1946 1948 1950 1952 1953 1954 1956 1956	1.6 1.2 0.7 0.6 0.9 0.5 1.8 1.3	1.6 2.2 1.8 1.7 2.2 1.8 2.5 2.3	3. 2 3. 4 2. 5 2. 3 3. 1 2. 3 2. 3 4. 3 3. 6 2. 4	1. 1 1. 0 0. 6 0. 6 0. 7 0. 6 0. 7 0. 7 0. 7 0. 6	2.4 2.6 2.1 2.0 2.3 2.0 2.2 2.2 2.5 2.3	3. 5 3. 6 2. 7 2. 6 3. 0 2. 6 2. 8 3. 2 3. 0		
Textile products (except clothing): 1944 1946 1948 1950 1952 1953 1954 1956 1956 1957	1.8 8.4 6.5 6.6 7.0 7.9 7.5 7.6 10.3 7.9 2.6	4.9 16.2 29.1 20.8 24.5 20.0 21.0 20.5 28.0 31.4 20.7	6. 7 24. 6 35. 6 27. 4 31. 5 27. 9 28. 5 28. 1 38. 3 39. 3 23. 3	2.8 3.3 3.9 3.5 3.8 2.8 2.7 3.0 3.4 3.1	7.6 10.2 14.2 15.9 15.6 16.6 17.1 18.1	10. 4 13. 5 18. 1 19. 4 19. 4 17. 0 19. 6 20. 5 21. 2 18. 8		
Clothing (textile and fur): ² 1944 1946 1948 1950 1952 1953 1954 1955 1956 1956 1957	3.8	1.1 5.8 10.2 9.4 11.1 10.6 7.6 7.9 8.4 9.6 7.5	3.9 8.4 12.3 11.9 12.7 14.4 9.8 9.3 9.7 10.8 8.2	3.8 2.2 2.2 2.2 1.4 1.3 1.5 1.3 1.2	3.3 3.8 4.8 4.6 4.5 4.0 3.9 4.4	7. 1 6. 0 7. 0 6. 0 5. 7 6. 0 5. 3 5. 2 5. 6 5. 5		

See footnotes at end of table.

TABLE 24. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-58 - Continued

	Ca	pital expenditure:	S	Re	epair expenditure	s
Group and year	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
			\$'00	00,000		
Wood products: 1944 1946 1948 1950 1952 1953 1954 1955 1955 1956 1957	2, 9 10, 9 7, 9 8, 1 9, 3 10, 4 8, 4 12, 1 14, 0 10, 3 8, 8	2. 4 9. 5 18. 5 21. 3 22. 5 24. 2 24. 5 30. 8 36. 8 28. 7	5. 3 20. 4 26. 4 29. 4 31. 8 34. 6 32. 9 42. 9 50. 8 39. 0	4.6 5.7 7.1 5.4 6.1 7.6 6.5 7.6 7.4 6.5	13, 5 12, 2 18, 9 19, 4 23, 5 22, 3 24, 1 29, 2 28, 8 27, 6 24, 7	18. 1 17. 9 26. 0 24. 8 29. 6 30. 1 30. 6 36. 8 36. 2 34. 1 30. 6
Paper products: 1944 1946 1948 1950 1952 1953 1954 1955 1955 1956 1957	8, 0 27, 2 29, 1 21, 1 33, 6 32, 5 21, 6 32, 9 85, 1 66, 3 25, 5	6. 7 27. 8 60. 4 57. 4 95. 9 81. 6 65. 7 105. 8 172. 3 200. 0	14. 7 55. 0 89. 5 78. 5 129. 5 104. 1 87. 3 138. 7 257. 4 266. 3 127. 2	1.9 5.3 7.0 8.0 8.3 7.0 8.2 8.9 10.3 8.1	32. 3 28. 4 47. 3 51. 7 72. 9 69. 7 75. 1 75. 1 85. 6 90. 1	34. 2 33. 7 54. 3 59. 7 81. 2 76. 7 83. 3 84. 0 95. 2 98. 2 92. 9
Printing, publishing and allied trades: 1944 1946 1948 1950 1952 1953 1954 1955 1956 1956 1957	0. 2 2. 9 7. 0 5. 0 3. 3 3. 8 11. 7 6. 5 5. 3 17. 3	2, 2 4, 4 12, 4 14, 4 11, 0 12, 6 19, 7 17, 6 20, 2 22, 8 20, 1	2. 4 7. 3 19. 4 19. 4 14. 3 16. 4 31. 4 24. 1 25. 5 40. 1 33. 5	0.6 1.3 1.6 1.7 1.5 2.0 2.4 2.1 1.6 2.0 2.0	3. 9 2. 4 3. 9 4. 1 4. 1 4. 4 4. 9 4. 5 5. 5 5. 7 6. 3	4. 5 3. 7 5. 5 5 5. 5 6 6 6 4 7. 3 6 6 7 7 7 7 8. 3
Iron and steel products: 1944 1946 1948 1950 1952 1952 1953 1954 1955 1956 1956 1957	10, 1 14, 9 19, 6 13, 5 46, 2 35, 5 22, 0 27, 0 40, 3 54, 5 35, 7	22. 2 22. 0 36. 7 30. 7 89. 7 78. 5 66. 4 68. 2 122. 2 125. 1 90. 7	32.3 36.9 56.3 44.2 135.9 114.0 88.4 95.2 162.5 179.6	6.5 8,4 12.0 12.7 16.1 15.6 12.7 15.4 16.6	26, 2 22, 8 38, 4 41, 7 64, 8 70, 8 64, 0 75, 6 93, 5 100, 1 83, 3	32. 7 31. 2 50. 4 54. 4 86. 9 86. 4 76. 6 88. 3 108. 9 116. 7 97. 7
Transportation equipment: 1944 1946 1948 1950 1952 1953 1954 1955 1955 1956 1957	1.6 5.4 5.4 9.9 37.1 46.9 20.9 20.2 16.7 18.1	4. 7 10. 3 10. 0 17. 4 25. 0 50. 5 44. 3 34. 1 43. 6 44. 3 37. 7	6.3 15.7 15.4 27.3 62.1 97.4 65.2 54.3 60.3 62.4 54.3	11.0 3.7 5.3 5.7 11.6 11.9 10.9 10.5 10.6 11.6	20. 8 14. 4 16. 8 20. 0 31. 1 33. 0 30. 0 28. 1 32. 0 33. 8 30. 7	31.8 18.1 122.1 25.7 42.7 44.9 40.9 38.6 42.6 45.4
Non-ferrous metal products: 1944 1946 1948 1950 1952 1953 1954 1954 1955 1956 1956 1957	6, 4 2, 3 8, 9 8, 9 35, 1 37, 6 20, 3 37, 4 62, 4 69, 9 43, 7	2, 4 5, 3 16, 8 13, 5 35, 6 41, 7 33, 3 46, 5 55, 0 74, 5 52, 2	8.8 7.6 25.7 22.4 70.7 79.3 53.6 83.9 117.4 144.4 95.9	5.0 3.1 7.8 4.0 8.5 8.7 8.7 8.3 11.4 8.5 9.6	15. 3 12. 2 25. 9 24. 6 34. 2 36. 1 40. 1 43. 8 50. 9 54. 0 49. 3	20. 3 15. 3 33. 7 28. 6 42. 7 44. 8 48. 8 52. 1 62. 3 62. 3 52. 9

TABLE 24. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-58 - Concluded

	Ca	pital expenditure	S	Repair expenditures			
Group and year	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total	
			\$'00	00,000			
Electrical apparatus and supplies:	1	1			1		
19441		_		1.2	5,0	6.	
1946	3.0 4.8	8.7 11.9	11.7 16.7	2. 2	8.7	10.	
1948	3.1	10.6	13.7	2.0	10.5	12.	
1950	21.8	18.6	40.4	2.8	11.7	14.	
1953	15.8	20.2	36.0	2.7	14.2	16. 16.	
1954	11.7	20.0	31.7 28.3	3.1 2.8	13.6	16.	
1955	8.0 14.7	20.3	41.5	3.8	15.6	19.	
1956 1957	13.8	30.5	44.3	3.3	15.4	18.	
1957	7.3	21.8	29.1	2.9	14.0	16.	
Yon-metallic mineral products:			0.0	0.8	6, 5	7.	
1944	1.4	1.2	2.6 7.7	1.4	8.4	9.	
1946 1948	11.1	17.0	28. 1	2.3	13.3	15.	
1950	4.4	12.0	16,4	1.6	15.7	17.	
1952	11.2	23.1	34.3	3.9	16.6	20.	
1953	11.0	21.3	32.3	2.2	22.1	24. 26.	
1954	19.6 22.1	23,6 25,4	43.2 47.5	2. 8 3. 2	27.1	30.	
1955	51.4	68.6	120.0	3.0	31.7	34.	
1956	29.4	49.2	78.6	3.1	35.9	39.	
1957	14.4	25.9	40.3	2.9	32. 2	35.	
Products of petroleum and coal:							
19441			_	0.4	-	7.	
1946	5. 2 29. 3	4.6	9.8 42.7	2.4	5. 2 6. 3	12.	
1948	14.3	18.5	32.8	4.8	9, 7	14.	
1952	41.1	36.4	77.5	11.2	9.5	20.	
1953	61.6	19.9	81.5	11.8	12.0	23. 27.	
1954	79.6	14.0	93.6 109.0	15.7 19.2	11.5 8.1	27.	
1955	100.4	8.6	93.0	21.6	8.1	29.	
1956	113.4	16.6	130.0	26.0	5.9	31.	
1957 1958	136.0	7.3	143.3	23.4	6,2	29.	
Chemicals and allied products:			0.0	3.7	8.1	11.	
1944	1.4	1.6	3.0 19.6	3.7	10.3	13.	
1946 1948	15.0	26.9	41.9	4.3	15.8	20.	
1950	7.3	19.0	26.3	4.3	19.1	23.	
1952	61.2	79.8	141.0	4.5	26.6	31.	
1953	32.0	90.3	122.3	4.3 6.2	26.5 31.4	30. 37.	
1954	15.1 21.6	24.7 34.7	39.8 56.3	4.9	30. 2	35.	
1955 1956	57.9	87.0	144.9	6. 2	31.9	38.	
1957		84.1	149.7	8.1	39.6	47.	
1958	43.1	73.5	116.6	9. 2	41.9	51.	
Miscellaneous industries:			00.5	1.0	1.9	2.	
1944	1.3	81.4 ³ 43.7 ³	82.7 ³ 46.6 ³	1.0	1.9	2	
1946 1948	2.7	65.83	68.5	1.0	2.5	3	
1950	2.4	3.6	6.0	0.8	2.4	3.	
1952	4.7	4.1	8.8	1.1	3.2	4	
1953	3.7	5.0	8.7	0.9	3.3	4	
1954	2.7	4.5	7. 2 10. 7	1.0	3.3	4	
1955	3.6	8.7	12.3	1.4	3.5	4	
1956 1957	6, 6	8.5	15.1	1, 5	4.1	5	
1958	2.7	9.3	12.0	1.4	3.9	5	

Figures not compiled separately; they are, however, included in the total. See Table 22.
 Includes "Knitting mills".
 Includes allowance for capital items charged to operating expense.

Subsection 2. Value of Manufacturing Inventory

As explained in the section on Capital Employed, the collection of statistics on capital investment by manufacturers was discontinued in 1944. This was replaced by the collection annually of expenditure statistics on fixed capital, repairs and maintenance from all large manufacturers, with estimates being made for the smaller establishments. As a result of this change no information was available on investment in inventory. Before long, however, the need for this information became apparent. Consequently, beginning with 1949, calendar year-end inventory values were collected separately from all manufacturing plants with an annual gross value of production of \$50,000 or over. These values are inflated to a total by estimating for small firms in each industry on the basis of the gross value-inventory ratio of reporting firms.

Commencing with 1954 questions on inventory were put back on the forms used in the annual survey of manufactures. As a result, all establishments with shipments of \$50,000 or more were required to give this information. As in the case of the calendar year-end series, estimates for establishments with shipments of under \$50,000 were made on the same basis. By comparing the two series for 1954 it was found that they

differed slightly. This is mainly due to the difference in time of reporting this information. In the first series the figures refer to the end of December while in the second they refer to the company year which in a number of cases might be anywhere from the end of January to the end of June. The figures in the first series are accordingly higher by 3.6 p.c. This is due to the policy of most companies to have as low an inventory as possible at the end of their financial year. When the financial year is other than the calendar year they could and usually do report a higher figure for December than they do for the end of their financial year which is reported in the second series.

It should be noted that the calendar year-end values as shown in the table below are not strictly comparable with those published in previous general reviews on manufacturing, since the series previously published has been reduced by the entire value of inventories held but not owned, i.e. held under progress payment arrangements. The deduction was made from the goods in process component. In previous reviews an item of total inventory holdings was shown separately, but no attempt was made to assign it to any specific component. While the assumption that all such inventory is part of goods in process is not strictly true, it is nevertheless a fairly good working approximation.

Company year-end inventory in 1958 totalled \$3,838,000,000 of which amount \$1,785,000,000 was reported as raw materials and supplies, \$765,100,000 goods in process and \$1,192,000,000 as finished goods, while \$95,900,000 was reported in total only by the fish processing and slaughtering and meat packing industries. The iron and steel group with \$656.1 million reported the highest inventory of any group, followed by foods and beverages with \$614.5 million, paper products \$343.2 million, non-ferrous metal products \$267.1 million, transportation equipment \$253.5 million, chemicals and allied products \$249.7 million, electrical apparatus and supplies \$245.2 million, wood products \$229.9 million, etc.

TABLE 25. Value of Manufacturing Inventory Held at Plant or Plant Warehouse, Exclusive of Goods Purchased for Resale Without Further Processing 1949.58

Resale Without Further Processing, 1949-581										
Year, province and industrial group	Total inventory	Raw materials and supplies	Goods in process	Finished goods						
	\$'000,000									
1949 1950 1951 1951 1952 1953 1954 1955 1956 1957	2, 333, 0 2, 638, 0 3, 390, 0 3, 350, 0 3, 519, 0 3, 212, 2 3, 409, 0 3, 821, 5 3, 973, 0 ³	1,448.0 1,781.0 1,817.0 1,830.0 1,592.5 1,670.4 1,827.0 1,890.9	472.0 610.0 568.0 613.0 608.6 706.4 785.8 844.9	718.0 999.0 965.0 1,076.0 1,011.1 1,032.2 1,208.7 1,155.1						
Province Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories	24.9 1.9 64.0 56.8 1,173.0 1,908.7 96.7 39.4 118.6 353.1	17. 8 0. 7 32. 7 36. 5 600. 0 830. 4 50. 5 18. 7 52. 0 145. 4 0. 3	0.7 9.4 3.5 224.6 446.0 12.6 3.1 11.0 54.2	4. 9 0. 9 16. 8 13. 5 337. 3 610. 3 27. 9 15. 1 48. 0 116. 8						
Canada, 1958	3, 838, 0 ³	1,785.0	765.1	1, 192. 0						
Industrial group ⁵ Foods and beverages ³ . Tobacco and tobacco products Rubber products Leather products Trettles Knitting mills Clotting Wood products ⁶ . Paper products Printing, publishing and allied industries. Iron and steel products. Transportation equipment. Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products. Products of petroleum and coal. Chemicals and allied products Miscellaneous industries	614.5 98.2 54.3 52.6 181.6 42.7 134.4 229.9 343.2 49.9 656.1 253.5 267.1 245.2 98.8 187.7 79.2	191.6 67.5 15.1 23.9 65.9 11.8 74.0 124.8 263.5 29.4 306.3 112.2 149.0 76.7 50.2 63.4 123.9	144.8 3.0 7.7 9.4 43.4 11.6 17.1 12.1 12.2 13.0 173.8 104.8 54.1 79.3 9.5 17.8 33.0	182.1 27.7 31.5 19.2.3 19.4 43.2 93.0 67.5 7.5 176.1 36.5 64.0 89.3 39.1 105.9 92.9						

¹ The opening inventory of the current year differs from the closing inventory of the previous year because of the receipt of revised data, the inclusion of new firms and the removal of figures for firms that did not operate during the current year.

Subsection 3. Employment in Manufacturing Industries

Monthly Record of Employment. - Ordinarily, manufacturing employment in Canada reaches its highest point during the summer months. Some of the seasonal industries, such as canning, are most active then, textile industries are preparing winter goods, and industry generally feels the active demand of the agricultural purchasing power resulting from the prospect of the season's harvest.

After the setback of 1929, employment in 1930, 1931, 1932 and the first half of 1933 declined steadily, the monthly employment figures in each case being lower than the corresponding month of the previous year. The peak of employment in June, 1929, when 575,693 production workers were on the payrolls, was surpassed in September, 1937, with 582,305 production workers. After the outbreak of war the improvement in employ-

² Revised. "Fish processing" and "Slaughtering and meat packing" industries could not report the three-way breakdown of their inventory. For this

reason the three columns do not add to the total.

4 Less than \$50,000.

5 Figures do not add due to rounding.

6 Sawmills reported rough sawn lumber as raw materials in 1958, under goods in process in 1957 and under finished goods in 1956.

^{..} Not available.

ment became increasingly rapid. A record high was reached in August, 1943, when 1,067,890 production workers were employed, an increase of 96.4 p.c. over the same month in 1939. The highest employment during 1944 occurred in June when 1,049,557 production workers were employed. From then on employment declined steadily to the end of 1945 when 819,619 production workers were reported. At the end of 1951 there were 953,952 production workers employed, compared with an employment of 961,820 production workers in December, 1944, and 1.021.630 in December, 1943.

During the first half of 1952 the number of production workers increased each month, but not to the extent of the employment in the same month of the previous year. From the middle of the year monthly employment figures exceeded those of the previous year. This trend continued to October 1953. The trend for the next two months was downward so that by the end of 1953 there were only 990,611 production workers as compared with 1,018,764 at the end of December 1952.

The minor recession experienced in 1954 is reflected in the monthly employment figures, the number employed each month being lower than the corresponding month of the previous year, although there was the usual upturn during the summer months. Employment at the end of December at 932,786 was at the lowest level since 1949 when 906,851 persons were employed. December 1952 with 1,018,764 production workers had the highest year-end figures during this period.

The downward trend of 1954 continued until the end of April 1955. From then on, the monthly employment figures were consistently higher than the corresponding months of the previous year. This upward trend continued until May 1957 when manufacturing activity began to decline. June and July saw a slight drop from the corresponding figures of the previous year. Some improvement took place in August, but from September on to the end of the year the monthly figures were consistently lower, so that the year-end employment in 1957 totalled only 963,228 as compared with 1,025,860 in 1956, a drop of 6.1 p.c. This compares with an increase of 3.3 p.c. in 1956 over 1955. Monthly employment figures of production workers in 1958 were lower each month as compared with the corresponding month of the previous year. Employment was at its highest in June and the lowest in December. For 1958 as a whole there was a drop of 6.1 p.c. in the number of production workers employed.

TABLE 26. Production Workers	Employed in	the Manuf	acturing Ind	ustries, by	Months and	Sex, Signif	icant Years	, 1929 - 58	
Month	1929	1933	1939	1943	1949¹	19541	19571	1958²	
	All wage-earners								
January February March April May June July August September October November December	502,644 519,423 536,866 555,711 574,905 575,693 573,554 567,022 564,796 553,338 527,213 499,893	340,027 347,777 355,888 358,759 377,659 392,196 393,464 402,249 410,954 405,757 396,384 380,612	490, 337 496, 160 503, 475 509, 739 530, 864 531, 245 529, 575 543, 606 562, 355 568, 564 563, 117 544, 817	1,023,261 1,030,878 1,036,648 1,033,748 983,058 1,058,645 1,056,975 1,067,890 1,066,595 1,053,486 1,049,738 1,021,630	928,077 932,356 937,714 944,307 961,137 973,324 964,813 975,114 970,324 951,017 934,576 906,851	979,801 985,063 989,350 988,374 1,000,313 1,011,718 1,008,963 1,008,332 1,004,246 986,369 961,505 932,786	1,026,883 1,030,811 1,039,436 1,044,412 1,066,218 1,075,115 1,075,747 1,068,752 1,045,559 1,013,940 963,228	953,652 961,566 966,100 972,259 993,427 1,010,044 1,006,809 1,003,846 1,013,763 979,639 974,967 944,183	
	Male								
January	397,459 410,865 426,713 443,560 459,783 460,294 459,051 449,721 441,510 432,576 412,114 391,903	257, 445 260, 728 267, 259 271, 348 285, 705 296, 937 300, 329 302, 969 304, 908 301, 315 294, 945 285, 690	381,997 395,955 391,623 398,982 416,963 417,975 417,987 421,595 431,509 437,220 432,920 422,538	751,269 755,181 757,702 755,888 764,158 776,003 779,687 777,733 767,043 754,484 753,211 738,073	716,005 719,374 725,953 732,966 747,614 757,575 750,579 747,518 739,768 725,853 715,188 700,141	775,348 778,646 782,905 784,744 795,664 804,702 802,063 790,269 781,256 769,127 749,863 736,203	816,207 817,933 826,261 831,400 850,864 859,937 854,365 842,002 832,857 821,412 799,345 764,704	754, 217 760, 660 763, 673 769, 546 801, 068 795, 733 780, 013 786, 149 761, 943 761, 843 743, 988	
	Female								
January February March April May June July August September October November December	105,185 108,558 110,153 112,142 115,122 115,399 114,503 117,301 123,286 120,762 115,099 107,990	82,582 87,049 88,629 87,411 91,954 95,259 93,135 99,280 106,046 104,442 101,439 94,922	108,340 110,205 111,852 110,757 113,901 113,270 111,588 121,710 130,846 131,344 130,197	271,992 275,697 278,946 277,860 218,900 282,642 277,288 290,157 299,552 209,002 296,527 283,557	212,072 212,982 211,761 211,401 213,523 215,749 214,234 227,596 230,556 225,164 219,388 206,710	204, 453 206, 417 206, 445 203, 630 204, 648 207, 016 206, 900 218, 063 222, 990 217, 242 211, 642 196, 583	210,676 212,878 213,175 213,012 215,354 219,009 220,750 233,745 235,895 224,147 214,595 198,524	199, 435 200, 906 202, 427 202, 713 205, 829 208, 976 211, 076 223, 833 227, 614 217, 696 213, 124 200, 195	

¹ Beginning with 1949 small establishments with selling value of products of \$50,000 or less were, generally, not required to report employment figures. Monthly and annual estimates were, therefore, made for these establishments so that the published figures are total employment figures of both large and small establishments. For 1949 to 1957 different methods of estimation were used for each industry, the method considered most appropriate in each case being used.

¹ In 1958 the method of estimating monthly employment figures for small establishments was standardized for all industries. For that year small establishments were required to report the number of production workers employed during the last pay period of May 1958. To the monthly totals reported by the large establishments were added the May employment figures reported by small establishments. For example, male production workers reported by large establishments for December 1958 totalled 711,617. To this was added the 32,371 production workers reported by the small establishments for the end of May, giving a grand total of 743,988 for December, shown above. This was done for each month so that the figures shown above are the total monthly employment figures of production workers introduces some distortion since there is some variation in the number employed each month by the small establishments. This distortion in most cases is not too serious since the number involved is not too large. For manufacturing as a whole the number of production workers employed by small establishments in 1958 was only 4.1 p.c. of the estimated total for all establishments.

TABLE 27. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Provinces, 1958

	Male	Female	Total	Male	Female	Total
		Canada	nun	ber	Newfoundland	
January	721,846	191,508	913,354	5,816	749	6,565
February	728, 289	192,979	921, 268	5,619	773	6,392
March	731,302	194,500	925, 802	5,788	777	6,565
April	737, 175	194,786	931, 961	6,161	796	6,957
May	755, 227	197, 902	953,129	6,452	934	7,386
June	768, 697	201, 049	969,746	7,095	1,133	8,228
July	763, 362	203, 149	966,511	7,243	1,177	8,420
August	747, 642	215, 906	963,548	7,132	1,062	8, 194
September	753,778	219,687	973,465	6,764	1,029	7,793
October	729, 572	209, 769	939, 341	6,382	914	7, 296
November	729, 472	205, 197	934, 669	5,831	796	6, 627
December	711, 617 32, 371	192, 268 7, 927	903,885	5, 295	654	5, 949
Smart establishments, end of may				214		290
_	Prin	ce Edward Islar	.d		Nova Scotia	
January	555	127	682	18,535	2,952	21,487
February	552	126	678	18,428	2,918	21,346
March	577	133	710	17,991	2,932	20, 923
April	668	143	811	18,599	3,052	21,651
May	1,043	607	1,650	20,391	3,582	23,973
June	981	549	1,530	20,771	3,592	24,363
July	943	590	1,533	20,572	3,400	23,972
August	958	504	1,462	20, 208	3,713	23, 921
September	882	440	1,322	20,320	3,592	23,912
October	750	341	1,091	20,070	3,704	23,774
November	670	262	932	18,845	3,691	22,536
December	614	160	774	17,709	3,337	21,046
Small establishments, end of May	123	39	162	1,099	187	1,286
	N	ew Brunswick			Quebec	
January	12, 081	1,595	13,676	229,450	85,452	314,902
February	12,182	1,649	13,831	229, 169	86, 268	315,437
March	12,507	2,101	14,608	229, 338	86,590	315,928
April	12,717	2,096	14,813	231,571	86,215	317,786
May	14, 485	3,173	17,658	236, 290	86, 243	322,533
June	15,199	3,389	18,588	239,809	86,126	325, 935
July	15,129	2,937	18,066	236, 251	86, 471	322, 722
August	14,842	3,753	18,595	234, 443	90, 692	325, 135
September	14,366	3,403	17,769	231,839	91,731	323,570
October	13,623	2,809	16,432	229, 307	90,059	319, 366
November	12,734	2,150	14,884	223,674	88,435	312, 109
	12 240	1,781	14,129	217,250	83,883	301, 133
December	12, 348	1, 101	11,120		00,000	,

TABLE 27. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Provinces, 1958, - Concluded

	Male	Female	Total	Male	Female	Total	
	1		numbe	er ·			
		Ontarlo			Manitoba		
January	343, 358	83, 190	426, 548	23, 416	6, 818	30, 234	
February	345, 583	83, 342	428, 925	23, 569	7, 084	30, 653	
March	347, 204	83, 789	430, 993	23, 769	7, 076	30, 845	
April	350, 610	84, 310	434, 920	23, 962	6, 880	30, 84	
May	354, 684	84, 381	439, 065	24, 394	6,950	31, 34	
June	359, 018	85, 796	444, 814	24, 878	7, 270	32, 14	
July	354, 560	85,932	440, 492	25, 324	7, 369	32,69	
August	341, 123	92, 941	434, 064	25, 275	7, 375	32,65	
September	353, 032	97, 995	451,027	25, 018	7, 483	32, 50	
October	336, 546	92, 177	428, 723	24, 884	7, 293	32, 17	
November	347, 852	91,487	439, 339	24, 022	6, 902	30, 92	
December	341, 717	85, 159	426, 876	23, 395	6, 562	29, 95	
Small establishments, end of May	11,392	2,724	14, 116	1, 248	405	1,65	
And Caracteristic Control of the Caracteristic Control of Caracteristic Caracteristic Control of Caracteristic Cara		Saskatchewan			Alberta		
-							
January	6,742	758	7, 500	22, 795	2, 964	25, 75	
February	6,750	767	7,517	22, 542	3,116	25, 65	
March	6,831	769	7,600	22,626	3,219	25, 84	
April	6,862	802	7,664	21,430	3,050	24, 48	
May	7, 236	863	8, 099	22, 371	3,486	25, 85	
June	7,473	896	8, 369	23, 145	3,619	26, 76	
July	7,627	941	8, 568	24, 101	3, 856	27, 95	
August	7,473	914	8,387	24, 177	4,057	28, 23	
September	7, 269	914	8, 183	24,019	3, 766	27, 78	
October	7,057	891	7, 948	23, 494	3, 534	27, 02	
November	6,942	840	7, 782	23,518	3, 409	26, 92	
December	6,855	809	7, 664	23, 411	3,377	26, 78	
Small establishments, end of May	689	167	856	1,529	336	1,86	
	Е	ritish Columbia		Yukon a	nd Northwest Te	ritories	
January	59,024	6, 890	65,914	74	13	8	
February	63, 818	6, 923	70, 741	77	13	9	
March	64, 594	7, 102	71,696	77	12	8	
April	64,511	7, 426	71,937	84	16	10	
May	67, 762	7, 667	75, 429	119	16	13	
June	70, 207	8,664	78, 871	121	15	13	
July	71, 493	10, 460	81, 953	119	16	13	
August	71,913	10, 880	82, 793	98	15	11	
September	70, 195	9, 321	79, 516	74	13	8	
October	67, 385	8, 034	75, 419	74	13	8	
November	65, 324	7, 214	72, 538	60	11	7	
December	62, 969	6, 535	69, 504	54	11	6	
Small establishments, end of May	3, 844	842	4,686	11	2	1	
Small cotabilistinents, end of May	3,014	042	2,000	- 11			

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1958

	Male	Female	Total	Male	Female	Total	
			num	ber			
	Fo	ods and beverag	es	Tobacco and tobacco products			
January	98,660	27,060	125,720	3,991	5,790	9,781	
February	98, 403	27,347	125,750	4,627	6,165	10,792	
March	99, 547	27,850	127,397	4,502	6,244	10,746	
April	102,771	29, 101	131,872	4,062	5,838	9,900	
May	109,830	33,644	143,474	3,027	4,853	7,880	
June	115, 104	36, 181	151, 285	3,077	4,933	8,010	
July	120,338	39, 297	159,635	3,028	4,935	7, 963	
August	120,512	45,739	166, 251	3,034	4,954	7,988	
September	120,348	46,853	167,201	3,138	4,802	7, 940	
October	- 113,873	38,241	152,114	3,093	4,743	7,836	
November	109, 573	35,151	144,724	3,157	4,864	8, 021	
December	103,327	28, 381	131,708	4, 299	5,642	9,941	
Small establishments, end of May	4, 963	2, 227	7,190	-	-	_	
		Rubber products		I	Leather products		
January	11,768	2,979	14,747	14,286	11,516	25,802	
February	11,316	3,001	14,317	14,381	11,678	26,059	
March	10, 983	3,044	14,027	14,404	11,746	26,150	
April	11,016	2,913	13,929	14,318	11,606	25, 924	
May	11,514	2,954	14,468	14,331	11,521	25, 852	
June	11,789	3,037	14,826	14, 495	11,766	26, 261	
July	11,842	3,077	14,919	14,559	11,839	26,398	
August	11, 984	3,132	15, 116	14, 937	12,086	27,023	
September	12, 178	3, 155	15,333	14,851	12,052	26,90	
October	12,100	3,068	15,168	14,610	11,767	26, 37	
November	12,031	2,974	15,005	14,524	11,760	26, 284	
December	12,027	2,837	14,864	14,270	11,327	25, 597	
Small establishments, end of May	14	8	22	32	20	52	
	Textile 1	products (except	clothing)		Clothing		
January	32,857	17,310	50, 167	20,071	52, 981	73,052	
February	32, 563	17,109	49,672	20,381	54,004	74,385	
	32, 130	16,843	48,973	20, 468	54,456	74, 924	
March	32, 206	17,078	49, 284	19,957	53, 463	73,420	
May	32, 200	17,310	49, 405	19, 203	52,615	71,818	
June	32, 279	17, 206	49, 485	19, 507	52,342	71,849	
July	31, 756	16, 815	48, 571	20,308	52, 413	72, 721	
August	32,661	17, 307	49,968	20,903	55, 476	76,379	
September	32,910	17, 403	50, 313	20, 908	56,143	77,051	
September October	32, 910	17, 405	50, 406	20, 465	55, 156	75,621	
	32,760	17,690	50, 450	19,797	53, 442	73, 239	
November	32, 282	17, 108	49,390	19, 786	50, 866	70,652	
December							
Small establishments, end of May	305	417	722	532	1,935	2, 467	

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1958 — Continued

	Male	Female	Total	Male	Female	Total
		Knitting mills	numb	er	Wood products	
January	5,346	12,499	17,845	74,691	4,729	79,42
February	5,471	12,647	18, 118	76, 208	4,772	80, 98
March	5,368	12,745	18, 113	77,550	4,901	82, 45
April	5,398	12,634	18,032	77,630	4,976	82,60
May	5,329	12,512	17,841	84,867	5,098	89, 96
June	5,328	12,476	17,804	88,977	5,175	94, 15
July	5,320	12,326	17,646	89,480	5, 101	94,58
August	5,514	13,022	18,536	89,013	5,166	94, 17
September	5,601	13,381	18, 982	87,307	5, 183	92,49
October	5,668	13,657	19,325	83,748	5,120	88,86
November	5,697	13,776	19,473	79,872	5,053	84,92
December	5,657	13,359	19,016	76,300	4,827	81, 12
Small establishments, end of May	2	42	44	10,401	473	10, 87
		Paper products		Printing p	ublishing and alli	ed trades
January	61, 155	7,871	69,026	29,437	7,314	36,75
February	64,450	7,810	72,260	29,382	7,095	36,47
March	64,506	7,970	72,476	29,384	7,155	36,53
April	65, 204	7,989	73, 193	29,427	7, 121	36,54
May	66,880	8,081	74,961	29,489	7, 137	36,62
June	68,693	8,312	77,005	29,382	7, 153	36,53
July	68,826	8,273	77,099	28,969	7,267	36, 23
August	68,887	8,483	77,370	29,033	7, 187	36, 2
September	68,128	8,728	76,856	29,490	7,446	36, 9
October	67,391	8,567	75,958	29,518	7,526	37,0
November :	66,004	8,450	74,454	29, 592	7,603	37, 1
December	65,349	8, 123	73,472	29, 263	7,147	36,4
Small establishments, end of May	242	176	418	5, 184	1,446	6, 6
	Iror	and steel produ	ıcts	Trai	asportation equip	ment
January	125,063	6,157	131,220	92,529	3,071	95,60
February	123,929	5,998	129, 927	96,020	3,105	99, 1
March	123,889	5,927	129,816	97,613	3,073	100,6
April	124,989	6,058	131,047	97, 153	3,043	100, 1
May	125,613	6,179	131,792	98,447	3,083	101, 5
June	126,787	6,238	133,025	96,779	2,993	99,7
July	125,448	6,136	131,584	87,050	2, 246	89, 2
August	117,432	6,189	123,621	77,517	2,695	80, 2
September	120,087	6,297	126,384	83, 181	2, 998	86, 1
October	119, 257	6,398	125,655	80, 228	2,746	82,9
November	124, 901	6,483	131,384	86,482	3,216	89, 6
December	121,927	6,357	128, 284	85,376	3,376	88,7
Small establishments, end of May	5,206	172	5,378	816	24	8

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1958 — Concluded

	Male	Female	Total	Male	Female	Total
1	Non-f	errous metal pro	num		l apparatus and	supplies
January	00.000					
February	38, 932	2,597	41,529	35,308,	13,982	49, 290
March	38, 263	2,637	40, 900	34, 853	13, 758	48,611
April	37,619	2,581	40, 200	34,240	13,726	47,966
May	37, 530	2,502	40,032	33, 783	13,824	47,607
June	37, 635	2,499	40, 134	33, 382	14, 156	47,538
July	37, 998	2,505	40,503	33,493	14,371	47,864
August	38, 095	2, 558	40,653	32, 823	14,294	47, 117
September	37, 836	2,715	40, 551	33,078	14,616	47,694
October	36, 804	2, 765	39, 569	33, 710	14, 995	48,705
	29, 125	2, 731	31, 856	33,572	15,083	48,655
November	28, 711	2, 737	31,448	33, 220	14, 904	48, 124
December	28, 564	2, 643	31, 207	32,716	14, 287	47,003
Small establishments, end of May	714	112	826	298	96	394
	Non-me	tallic mineral pr	oducts	Products	of petroleum an	d coal
January	25, 423	1, 770	27, 193	10,498	58	10,556
February	25,350	1, 748	27, 098	10, 397	58	10, 455
March	26, 054	1,816	27, 870	10,426	57	10,483
April	27,886	1,920	29,806	10,604	61	10,665
May	29, 205	1,722	30, 927	10,672	62	10,734
June	30, 260	1,733	31,993	10,766	61	10,827
July	30,935	1,892	32, 827	10,774	62	10,836
August	31,030	2,016	33,046	10,350	60	10,410
September	30, 956	1, 989	32, 945	10, 171	57	10,228
October	30,113	1,973	32, 086	10, 122	56	10, 178
November	29, 617	1,921	31,538	10, 292	54	10,346
December	27, 891	1,833	29, 724	10,098	56	10, 154
Small establishments, end of May	1, 868	97	1,965		-	_
	Chemics	ls and allied pro	oducts	Miscellaneous industries		
January	26,900	5, 327	32, 227	14,931	8, 497	23,428
February	27, 146	5,414	32, 560	15, 149	8, 633	23,782
March	27, 242	5,489	32, 731	15, 377	8, 877	24,254
April	27, 727	5,540	33, 267	15,514	9, 119	24,633
May	28,036	5, 553	33, 589	15,672	8, 923	24, 595
June	28, 141	5,640	33, 781	15, 842	8,927	24, 769
July	27, 831	5,572	33, 403	15, 980	9,046	25,026
August	27,729	5,531	33, 260	16, 192	9,532	25, 724
September	27, 699	5, 599	33, 298	16, 311	9, 841	26, 152
October		5,492	33,014	16, 256	9, 950	26, 206
	27, 522				.,	_0, _0
	27,522	5, 398		16, 165	9, 721	25, 886
November			32, 475 31, 899	16, 165 15, 721	9, 721 8, 964	25, 886 24, 685

Subsection 4. Hours Worked in Manufacturing Industries

Hours Worked by Production Workers. - From 1932, the first year for which figures on hours worked per week by production workers are available, to 1945, each firm was required to report the number of hours worked by all its production workers during the month in which the greatest number had been employed, the only exception being the years 1938 and 1939 when one week in a month of normal employment was reported. In 1938 the number of hours worked per week were compiled by sex, and a change was also made in the analysis of the weekly hours worked. Since 1940 the hours worked per week include overtime while prior to that overtime was excluded. These changes make it impossible to measure accurately the changes in the number of hours worked per week. In any case, the figures in Table 29 do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all firms. For a given industry, however, the month of highest employment is more significant as in this case it coincides for a great number of firms engaged in the same industry.

For all production workers, the hours worked per week declined from 48.9 in 1932 to 47.2 in 1939, and reached 50.6 in 1941, some of the increase no doubt being due to the inclusion of overtime. Since then there was a counter movement in the hours worked, especially among females, due to the employment of many workers on a part-time basis. Whereas in 1939 there were only 2.8 p.c. of male and 5.3 p.c. of female production workers working under 30 hours per week, in 1944 these percentages rose to 5.3 and 12.5 respectively. Since the end of the war the normal working week has been dropping steadily. In 1945 average hours per week for male production workers totalled 47.6 and for females 42.7.

The method of collecting statistics on hours worked was changed in 1946. Instead of collecting this information for one week in the month of highest employment which varied from plant to plant, the last week of November was chosen for the base period. For 1948 and subsequent years the period was changed to the last week in October. The question on hours worked was taken out of the annual schedules used in connection with the census of manufactures and this information is now collected by the Employment Statistics Section. Establishments employing 15 hands or over only are covered. The statistics for 1946 to 1958 are, therefore, not exactly comparable with those for earlier years which include all establishments, both large and small.

On the above basis, the hours worked per week declined for all workers engaged in manufacturing. The hours of male production workers dropped from 44.9 in 1946 to 41.7 in 1958, female production workers from 40.0 to 38.7, male office employees from 42.0 to 38.8 and female office employees from 39.5 to 37.6.

Persons employed in 1950, 1953 and 1956 were classified on the basis of earnings per week instead of hours worked. For this reason the distribution of employees by hours worked per week is not available for these years. It is the intention in future to classify employees one year on the basis of hours worked, the second year on the basis of weekly earnings, while in the third year no break-down of either the hours worked or weekly earnings will be collected. Instead a more detailed break-down of salaried employees into (a) managerial and professional and (b) office workers will be requested.

Administrative and office employees as a rule work shorter hours than production workers as the following figures for 1958

care.	Production workers	Supervisory and office employees
Both sexes Male	41.7	38. 5 38. 8 37. 6

TABLE 29. Production Workers in Manufacturing, Working Specified Numbers of Hours per Week in the Month of Highest Employment, 1938-451

Note: Hours worked per week in 1934-37 are given at p. 393 of the 1942 edition of the Canada Year Book; in 1940 and 1941 at p. 392 of the 1943-44 edition.

	per cent						
4.1 16.9 14.3 11.3 20.7 10.6	3.4 14.6 13.8 10.9 22.2	4.3 8.6 7.7 7.0 21.4 9.2	6.2 10.7 7.4 8.3 20.5 9.6	7.4 12.7 9.5 9.1 20.6 9.8	7.4 16.2 12.1 10.8 21.4 9.8		
3.5 10.4 1.5 100.0	4.1 10.4 1.5 100.0	5.6 16.9 6.4 100.0	5. 2 14. 6 5. 0 100. 0	4.4 11.8 3.9 100.0	3. 2 7. 6 3. 1 100. 0		
46.7	47.2	50.2	48.8	47.5	90. 4		
3.4 16.6 13.1 10.5 21.3 10.0 7.4 3.6 12.3 1.8	2.8 14.2 12.7 10.0 22.8 10.6 8.2 4.4 12.5 1.8	3.6 7.0 6.9 5.8 21.7 8.4 12.6 5.8 20.4 8.0	4.6 7.9 6.2 7.2 21.5 8.8 13.2 5.7 18.3 6.6	5.3 9.8 9.0 7.9 21.5 9.5 11.9 5.0 15.1 5.0	5.4 13.1 11.7 9.8 22.9 10.0 9.5 3.8 9.7 4.1		
47.3	48.1	51.3	50.4	49. 1	47.		
6.7 17.9 18.3 14.2 18.8 12.6 4.5 3.1 3.5 .4	5.3 15.8 17.8 13.9 20.4 13.2 6.6 3.5 3.2 .3	6.2 13.0 9.9 11.1 20.8 11.5 13.5 4.9 7.2 1.9	10.0 17.6 10.3 11.2 18.2 11.6 10.7 4.0 5.3 1.1	12.5 20.1 10.8 12.2 18.4 10.5 8.2 2.9 3.4 1.0	12.3 23.8 13. 13. 17. 9. 5. 1. 2.		
	14.3 11.3 20.7 10.6 6.7 3.5 100.0 46.7 3.4 16.6 13.1 10.5 21.3 10.0 47.3 47.3 6.7 17.9 18.3 14.2 18.8 12.6 4.5	14.3	14.3 13.8 7.7 7 11.3 10.9 7.0 20.7 22.2 21.4 10.6 11.2 9.2 6.7 7.9 12.9 3.5 4.1 5.6 10.4 10.4 10.4 16.9 1.5 1.5 1.5 6.4 100.0 100.0 100.0 46.7 47.2 50.2 3.4 2.8 3.6 16.6 14.2 7.0 13.1 12.7 6.9 10.5 10.0 5.6 21.3 22.8 21.7 10.0 10.6 8.4 12.3 12.7 6.9 10.0 5.6 21.3 22.8 21.7 10.0 10.6 8.4 12.3 12.7 10.0 5.6 21.3 22.8 21.7 10.0 10.6 8.4 7.4 8.2 3.6 4.4 12.3 12.5 12.6 3.6 13.5 10.0 47.3 48.1 51.3 6.7 5.3 6.2 17.9 15.8 13.0 100.0 100.0 47.3 48.1 51.3	14.3 11.3 10.9 7.0 8.3 20.7 22.2 21.4 20.5 10.6 11.2 9.2 9.6 6.7 7.9 12.9 12.5 3.5 4.1 5.6 5.2 10.4 10.4 16.9 14.6 1.5 1.5 6.4 5.0 100.0 100.0 100.0 100.0 46.7 47.2 50.2 48.8 3.4 2.8 3.6 4.6 16.6 14.2 7.0 7.9 13.1 12.7 6.9 6.2 13.1 12.7 6.9 6.2 21.3 22.8 21.7 21.5 10.0 10.6 8.4 8.8 7.4 8.2 12.6 13.2 12.6 3.6 4.4 8.8 7.4 8.2 12.6 13.2 10.0 47.3 48.1 51.3 50.4 6.7 5.3 6.2 10.0 47.3 48.1 51.3 50.4	14.3 13.8 7.7 7.4 9.5 11.3 10.9 7.4 9.5 11.3 10.9 7.0 8.3 9.1 11.3 10.9 7.0 8.3 9.1 11.3 10.9 7.0 8.3 9.1 10.6 11.2 9.2 9.6 9.8 9.8 6.7 7.9 12.9 12.5 10.8 10.4 10.4 16.9 14.6 11.8 1.5 1.5 1.5 6.4 5.0 3.9 100.0		

¹ For 1938 and 1939, the hours worked do not include overtime, while for 1940 to 1945 overtime is included.

TABLE 30. Production Workers in Manufacturing Working Specified Numbers of Hours During the Last Week in October, 1946 - 581

1946 - 581										
Hours worked per week	19462	19472	1948	1949	1952	1955	1958			
				per cent						
All production workers:										
30 or less	6.7	6.7	6.1	6.3	6.1	5.9	6.0			
31 - 34 35 - 39	10.8	2.9 7.8	3.0 8.4	3.1	3. 5 8. 1	4.1 8.2	4.9 9.8			
40	9.9	12.2	13. 2	15.3	25. 9	32.2	38.1			
41 - 43	11.5	10.6	10.9	11.1	. 11.9	11.3	10.8			
44	10.3	8.5	9.3	8,6	6.6	5.9	4.6			
45 - 47	18.2	18.7	18.9	18.8	13.9	11.5	9.5			
48	13.7	12.9	11.8	10.7	7.6	6.7	5.2			
49 - 50	6.6	6.5	6.1	5.7	5.0	4.2	3,4			
51 - 53	5.4	4.3	4.0	3.9	3.6	3.4	2.6			
54	6.0	1.3 6.5	1.3 6.0	1.2	1.3	1.1	0, 9			
55-64 65 or over	0.9	1.1	1.0	5.9 0.9	5.5 1.0	4.7 0.8	3.5 0.7			
00 01 0461	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
Average hours per week	43.7	43.7	43.6	43,3	42.6	42.0	41.1			
Male production workers:										
30 or less	4.7	4.6	4.4	4.3	4.6	4.4	4.5			
31 - 34	8.0	2.1	2. 2	2.3	2.9	3.5	4.5			
35 - 39)	6.1	6.4	6.7	6.6	6,6	8.2			
40	9.6	11.9	12.9	15.5	27.3	34.2	40.4			
41 - 43	10.6	9.2	9.9	10.4	11.3	10.8	10.5			
44 45 - 47	18.8	19.7	19.4	19.2	13.9	11.2	9.4			
48	15.8	15.0	13.9	12.5	8, 5	7.5	5.7			
49-50	7.1	7.0	6.6	6,3	5.4	4.5	3,6			
51 - 53	1	4.9	4.6	4.4	3.9	3.6	2.8			
54	6.3	1.6	1.5	1.3	1.5	1.3	1.0			
55-64	7.3	7.8	7.3	7.1	6.5	5.5	4.1			
65 or over	1.1	1.4	1.2	1.2	1.2	1.0	0.8			
	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
Average hours per week	44.9	44.9	44.7	44.4	43.4	42.7	41.7			
Female production workers:										
30 or less	13.1	13.7	12.2	12.8	11.9	11.6	11.7			
31 - 34	1	5.5	5.6	5.8	5.9	6.4	6.7			
35 - 39	} 19.7	13.6	15.0	14.6	13.5	14.1	15.6			
40	10.8	13.4	14.1	14.8	20.9	25. 1	30.7			
41 - 43	14.6	15.0	14.5	13.3	13.9	13.1	12.2			
44	8.9	7.8	7.9	7.9	7.4	5.6 12.4	4.9 9.6			
45 - 47	16.1	15.9	17.4	17.5 4.5	14.2	3.7	3,1			
48 49 - 50	7.1 5.0	5.7 4.9	5.1 4.1	3.9	3.3	3.3	2. 4			
51 - 53	1	2.0	2.0	2.3	2.4	2.3	1.3			
54	2.5	0.5	0.5	0.5	0.6	0.6	0.4			
55-64	2.1	1.9	1.5	2.0	1.9	1.7	1.3			
65 or over	0.1	0.1	0.1	0.1	0.2	0.1	0.1			
	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
Average hours per week	40.0	39.7	39.8	39.8	39, 6	39.4	38.7			

¹ Classified statistics on hours worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics which are collected every third year cover establishments employing 15 hands or over only.

² Last week in November.

TABLE 31. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Provinces, 1946 - 581

Note: Hours worked by wage-earners from 1938 to 1945 are given on page 53 of the 1950 General Review of the Manufacturing Industries of Canada.

	Pro	duction workers		Administrati	ve and office e	mployees
Province and year	Both sexes	Male	Female	Both sexes	Male	Female
			average	e hours		
anada:	43.7	44.9	40.0	41.1	42.0	39.
1946	43. 3 42. 0 42. 6 41. 7	44. 4 43. 0 43. 4 42. 6	39.8 37.9 39.6 38.5	40. 1 39. 5 39. 4 39. 0	40. 8 40. 0 39. 9 39. 5	38. 38. 38. 37.
1954	41.5	42.3	38.5	39.0	39.4	37.
1955 1956 1957 1958	42.0 41.8 40.5 41.1	42.7 42.5 41.2 41.7	39. 4 39. 2 37. 7 38. 7	39. 1 38. 9 38. 6 38. 5	39. 6 39. 4 39. 0 38. 8	37. 37. 37. 37.
ewfoundland:	46.9	47.7	41.9	42.6	43.5	39.
1951 1952 1953 1954	45. 5 44. 1 43. 2 42. 8	46. 1 44. 6 43. 8 43. 3	40.5 40.2 37.4 38.3	43.0 42.7 41.8 40.7	43.3 43.0 42.0 40.9	42. 41. 41. 39.
1955	41.5	41.9 42.0	38.0 33.4	41. 4 40. 8	41.6 40.9	40. 40.
1956	38. 5 37. 5	39. 2 38. 2	32. 4 32. 2	40.8	41. 2 41. 8	39 39
rince Edward Island:	46.3	46.9	45.0	_	_	
1949 1951 1952 1953	47. 7 45. 9 45. 2 45. 8	48. 1 46. 4 46. 1 46. 2	46.8 44.4 40.9 44.6	43. 4 41. 3 40. 5	44.3 41.7 41.0	41 40 39
1954	45. 2 44. 3 44. 7 38. 9 42. 5	45. 8 45. 1 45. 8 40. 6 45. 2	43.0 42.0 41.8 34.3 36.3	40.5 41.0 40.8 41.8 42.2	40.8 41.3 41.2 42.1 43.1	39 44 44 4
ova Scotia:	45.7	46.0	43.6	43.1	44.1	4(
1949 1951 1952 1953	44.5 43.3 42.4 41.6	44.8 43.4 42.4 41.7	42.6 42.9 42.5 41.2	40.5 41.7 42.3 40.5	40.9 42.3 43.2 40.9	31 41 31 31
1954	41.1	41.4	39. 3 39. 9	40.8	41.6 42.0	3:
1956 1957 1958	41.3 40.7 40.5	41. 3 41. 0 40. 5	41. 0 38. 7 40. 9	40. 5 39. 8 38. 8	41. 3 40. 5 39. 3	3: 3:
ew Brunswick:	46.0	46.7	42.9	43. 2	44.3	4
1949	45. 4 44. 3	46.9 45.5	41.3 39.1	42.8 41.8	43.8 42.6 42.2	4 4 3
1952 1953	44.1	44. 8 43. 8	40. 8 37. 0	41.5	41. 1	4
1954 1955	42.6 43.2	43.3 43.9	37.6 39.0 40.4	40.3 40.5 40.7	40.9 41.3 41.5	3 3 3
1956	43.7 40.7 42.6	44.3 41.5 43.4	36. 1 38. 3	39. 8 40. 0	40.4	3:
Quebec:	45.4	47.1	41.2	41.5	42.5	3
1946 1949 1951	44. 5 43. 0	46.3 44.8	40.2 37.8	40.4	41.1 40.3	3
1952 1953	44.0	45. 5 44. 4	40. 1 38. 5	39.5	40. 0 39. 7	3 3

See footnote at end of table.

TABLE 31. Average Hours Worked per Week in the Manufacturing Industries of Canada by Provinces, 1946 - 581 — Concluded

	Pr	oduction workers		Administra	utive and office e	employees
Province and year	Both sexes	Male	Female	Both sexes	Male	Female
			average	hours		
Quebec — Concluded:	42.3	43.7	20. 5	20.0	20.4	
1955 1956 1957 1958	43.3 43.2 41.4 41.8	44. 7 44. 5 42. 7 42. 9	38. 7 39. 8 39. 7 37. 9 38. 8	39. 0 39. 2 39. 0 38. 4 38. 2	39. 4 39. 7 39. 4 38. 8 38. 7	37.8 37.9 37.8 37.5 36.9
Ontario:						
1946 1949 1951 1952 1953	42.8 42.8 41.6 42.1 41.4	44. 0 43. 8 42. 4 42. 8 42. 0	38. 8 39. 4 37. 9 39. 3 38. 7	40.5 39.7 39.0 39.0 38.7	41.3 40.4 39.5 39.6 39.2	39. 2 38. 3 37. 9 37. 7 37. 6
1954 1955 1956 1957 1958	41. 2 41. 6 41. 3 40. 3 41. 0	41.8 42.1 41.9 40.9 41.6	38. 6 39. 3 39. 1 37. 9 39. 0	38. 8 38. 9 38. 7 38. 5 38. 4	39. 2 39. 3 39. 1 38. 9 38. 7	37.7 37.8 37.7 37.6 37.4
Manitoba:						
1946 1949 1951 1952 1953	42.8 43.4 41.6 41.6 40.9	43. 8 44. 5 42. 4 42. 2 41. 7	39. 6 39. 7 38. 4 39. 7 37. 9	42.7 41.3 40.3 39.9 39.9	43.3 41.9 40.5 40.4 40.2	41.1 39.9 39.6 38.5 38.8
1954	41. 2 41. 6 41. 2 40. 0 40. 7	41.9 42.3 41.7 40.8 41.3	38. 7 39. 1 39. 3 37. 2 38. 7	39. 3 39. 6 39. 4 39. 2 38. 7	39. 7 40. 1 39. 9 39. 6 39. 0	38. 0 38. 2 38. 1 38. 2 37. 9
Saskatchewan:						
1946 1949 1951 1952	44.0 42.4 41.4 41.4 41.2	44.3 42.9 41.8 41.8	41. 2 39. 2 38. 6 38. 9 37. 8	42.9 42.2 41.3 41.5 40.7	43.7 42.7 41.6 42.0 41.3	41.3 41.1 40.9 40.3 39.4
1954 1955 1956 1957 1958	41.5 41.4 40.7 40.0 40.5	42.3 42.1 41.2 40.5 40.8	35. 8 36. 5 37. 3 36. 2 38. 7	40. 5 40. 4 40. 2 39. 4 38. 8	40.6 40.7 40.5 39.7 39.0	40.1 39.6 39.5 38.7 38.1
Alberta:	43.2	43.5 43.9	41.6 40.7	42.9 42.2	43.6	41.5 40.6
1949 1951 1952 1953	43.5 41.3 41.4 41.2	41.6 42.0 41.7	38. 6 38. 2 38. 1	41. 3 40. 5 40. 0	41.6 40.9 40.4	40. 3 39. 4 38. 8
1954 1955 1956 1957 1958	41. 4 41. 3 41. 1 39. 7 40. 5	42.1 41.8 41.4 40.3 40.9	36.6 37.9 38.6 36.0 37.5	40. 2 39. 9 40. 0 39. 4 39. 7	40. 5 40. 4 40. 3 39. 8 40. 1	39. 2 38. 6 38. 9 38. 4 38. 3
British Columbia:			20.0	41.0	40.4	40.
1946 1949 1951 1952	41. 2 40. 1 39. 1 39. 3 39. 3	41.5 40.5 39.5 39.7 39.8	39. 2 37. 2 35. 9 36. 2 36. 4	41.9 40.4 40.0 39.6 39.4	42. 4 40. 7 40. 2 40. 0 39. 7	40.6 39.6 39.1 38.3 38.4
1954 1955 1956 1957 1958	39.6 39.6 39.5 38.1 39.0	40.0 39.9 39.8 38.5 39.3	35. 6 36. 4 36. 5 34. 4 35. 7	39. 3 39. 4 39. 2 38. 6 38. 7	39. 7 39. 8 39. 4 38. 8 38. 9	38. 2 38. 2 38. 3 38. 0 37. 9

¹ Statistics on hours worked since 1946 are taken from the annual report ''Earnings and Hours of Work in Manufacturing'', complied by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over only. For 1946 and 1947 they refer to the last week in November and for 1948 to 1958 to the last week in October.

TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Groups, 1946-581

	by Industrial	Groups, 194	6 - 581			
Crown and many	Pro	duction workers		Administrati	ive and office e	mployees
Group and year	Both sexes	Male	Female	Both sexes	Male	Female
Florida and house area.	1	1	average	nours	i	
Foods and beverages: 1946. 1949. 1951. 1952. 1953.	43, 9	45.7	38. 8	42, 2	43. 2	40. 3
	44, 3	46.2	39. 4	41, 2	42. 1	39. 4
	43, 4	45.0	39. 0	40, 5	41. 1	39. 1
	43, 1	44.7	39. 1	40, 5	41. 1	38. 7
	42, 6	44.1	38. 8	40, 0	40. 6	38. 4
1954	41.8	43.3	37. 9	39. 7	40. 2	38. 4
1955	42.0	43.5	38. 2	39. 9	40. 6	38. 2
1956	41.8	43.2	38. 6	39. 8	40. 4	38. 2
1957	40.8	42.2	37. 0	39. 0	39. 4	37. 8
1957	41.6	42.2	37. 9	39. 2	39. 7	37. 7
Tobacco and tobacco products:						
1946	42.9	45.6	41.4	41.3	42. 1	40. 4
1949	43.6	45.6	42.6	40.0	40. 5	39. 2
1951	41.5	43.8	40.0	37.3	37. 5	36. 8
1952	40.8	42.6	39.7	37.5	37. 7	37. 2
1953	40.5	41.8	39.7	37.3	37. 4	37. 2
1954	40. 5	42.1	39. 5	37. 6	37. 8	37. 2
1955	40. 3	41.4	39. 7	37. 8	38. 0	37. 3
1956	39. 4	41.5	38. 2	37. 8	37. 9	37. 6
1957	38. 6	40.4	37. 6	37. 6	37. 7	37. 2
1957	39. 6	41.4	38. 5	37. 6	37. 9	37. 7
Rubber products: 1946	44.8	45.6	42.3	40. 4	40. 9	39. 2
	42.3	42.8	40.9	39. 2	39. 7	38. 2
	41.4	42.0	39.5	38. 3	38. 4	38. 0
	42.3	42.8	40.6	38. 7	39. 1	37. 9
	41.4	42.3	38.6	38. 9	39. 1	38. 2
1954	41. 6	42. 0	40.0	39. 1	39. 4	38. 2
1955	43. 0	43. 6	40.8	38. 9	39. 2	38. 3
1956	42. 4	43. 1	39.9	38. 8	39. 1	38. 1
1957	40. 8	41. 4	38.9	39. 3	39. 6	38. 5
1958	41. 9	42. 5	39.7	38. 7	38. 9	38. 3
Leather products: 1946	42.5	43.9	40.6	43. 1	44.5	40.3
	40.1	41.3	38.4	41. 5	42.6	39.2
	37.6	33.7	36.0	40. 2	41.2	38.1
	41.0	42.2	39.4	40. 4	41.2	38.4
	38.5	39.9	36.7	39. 8	40.6	37.9
1954	37.8	38. 7	36. 5	39, 6	40.5	37. 9
	40.6	41. 7	39. 1	39, 8	40.8	37. 9
	40.4	41. 7	38. 9	39, 6	40.4	37. 8
	38.2	39. 6	36. 6	39, 1	40.1	37. 1
	39.8	40. 9	38. 4	38, 8	39.4	37. 6
Textile products (except clothing): 1946	43.8	46.6	41.3	· 41.5	42.6	39. 4
	44.6	46.4	41.8	41.0	41.9	39. 2
	40.4	42.0	37.7	39.8	40.5	38. 4
	43.5	44.7	41.2	39.4	40.0	38. 3
	41.1	42.3	38.9	39.7	40.5	38. 1
1954	43.0	44.3	40.6	39. 3	40. 0	38. 0
	43.5	45.0	40.9	40. 1	40. 9	38. 1
	43.2	44.7	40.5	39. 1	39. 6	37. 7
	41.7	43.0	39.2	38. 6	39. 2	37. 5
	42.0	43.2	39.6	38. 5	39. 1	37. 1
Clothing (including knitting mills): 1946	41.0	44.8	38. 7	41.5	42.7	39. 8
	39.2	41.6	38. 2	40.6	41.7	39. 1
	36.7	38.8	35. 8	39.5	40.4	38. 3
	39.9	42.5	38. 8	39.5	40.3	38. 4
	38.2	40.6	37. 3	39.6	40.6	38. 2
1954	38. 4	40.5	37. 5	39. 4	40. 4	38. 0
	39. 6	41.7	38. 8	39. 9	40. 8	38. 6
	39. 8	42.3	39. 0	39. 5	40. 4	38. 3
	37. 8	39.8	37. 0	39. 0	40. 1	37. 6
	38. 9	41.0	38. 2	39. 2	40. 0	38. 2

See footnote at the end of the table.

TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Groups, 1946-581 — Continued

	Pro	duction workers		Administrati	ve and office er	mployees
Group and year	Both sexes	Male	Female	Both sexes	Male	Female
	1		average	hours	1	
Wood products: 1946 1949 1951 1952 1953	45, 1 44, 1 42, 9 43, 8 43, 8	45.4 44.3 43.0 44.0 44.0	41.3 40.6 40.6 41.1 40.4	43.7 42.4 41.5 41.5 41.2	45. 2 43. 5 42. 5 42. 6 42. 1	40.2 39.4 38.7 38.4 38.5
1954 1955 1956 1957 1958	43.2 43.5 43.3 41.8 42.9	43.4 43.7 43.4 41.9 43.0	40.2 40.9 40.7 39.2 40.5	40.9 40.9 40.8 40.1 40.1	41.8 41.8 41.6 40.9 40.9	38.2 38.2 38.1 37.7 37.8
Paper products:	47.1	48.2	41.0	40.9	41.6	39.4
1946 1949 1951 1952 1953	47.1 46.5 45.1 43.6	40. 2 47. 9 47. 2 45. 5 44. 0	41.9 40.9 41.6 40.0	39.9 38.9 38.4 38.0	40.4 39.3 38.7 38.3	38.4 38.0 37.4 37.1
1954 1955 1956 1957 1957	42.7 43.0 42.4 41.0 41.5	43.1 43.2 42.7 41.2 41.6	39.2 41.0 40.0 38.7 40.2	37.7 37.7 37.5 37.4 37.2	37.9 38.0 37.7 37.7 37.5	37.0 37.0 36.8 36.7 36.6
Printing, publishing and allied industries: 1946 1949 1951 1952	42.0 41.0 40.0 40.0 40.0	43.3 41.8 40.6 40.6 40.7	38.5 38.3 38.0 38.0 37.9	39.9 38.7 38.2 37.9 37.3	40.6 39.2 38.5 38.0 37.4	39.0 37.8 37.6 37.6
1954 1955 1956 1957 1958	40.2 40.1 40.3 39.5 39.6	40.7 40.7 40.9 40.2 40.1	38. 4 38. 2 38. 1 37. 0 37. 8	37.7 37.6 37.3 37.6 37.3	37.9 37.9 37.5 37.8 37.4	37.3 37.2 37.1 37.3
Iron and steel products: 1946 1949 1951 1952 1952	44.8 43.6 42.5 42.8 42.1	45.0 43.7 42.7 42.9 42.2	41.8 41.5 39.8 40.1 39.6	40.9 39.8 39.1 39.1 38.9	41.5 40.3 39.6 39.5 39.3	39.3 38.4 37.9 38.0 37.6
1954 1955 1956 1957 1958	41.6 42.6 42.4 40.6 41.1	41.7 42.8 42.5 40.7 41.2	38, 9 39, 9 39, 2 38, 1 39, 0	38.9 38.9 37.8 38.6 38.6	39.2 39.2 39.2 38.9 38.9	37.8 37.8 37.7 37.7
Transportation equipment: 1946 1949 1951 1952 1953	42.3 42.9 42.1 42.3 41.6	42.4 43.0 42.2 42.4 41.8	40.3 39.6 38.7 38.5 38.1	42.2 41.5 41.0 41.7 39.9	42.8 41.9 41.3 42.5 40.2	40.5 40. 39.5 39.
1954 1955 1956 1957 1958	41.3 40.5 40.8 40.1 40.3	41.4 40.6 40.9 40.2 40.4	38.4 38.6 39.1 36.9 38.3	40.3 40.2 40.2 39.6 39.2	40.7 40.5 40.5 39.9 39.4	38. 39. 39. 38.
Non-ferrous metal products: 1946 1949 1951 1952 1953	44.0 44.4 41.8 42.1 41.5	44.5 44.6 42.0 42.2 41.6	40.9 41.8 40.0 41.0 39.8	41.6 40.9 39.6 39.0 39.4	42.4 41.8 40.2 39.4 39.9	40. 38. 38. 37. 37.
1954 1955 1956 1957 1957	41.7 42.0 41.6 41.0 40.0	41.9 42.1 41.7 41.1 39.9	40.0 40.7 40.4 38.8 40.5	38.8 38.6 38.4 37.9 38.1	39. 2 39. 1 38. 7 38. 2 38. 3	37. 37. 37. 37. 37.

See footnote at end of table.

GENERAL REVIEW

TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Groups, 1946 - 581 - Concluded

	Pro	duction workers		Administrati	ve and office e	mployees
Group and year	Both sexes	Male	Female	Both sexes	Male	Female
			average	hours		
lectrical apparatus and supplies:		1		}	1	
1946	41.9	42.7	40.3	39.6	40.1	38.
1949 1951	42.1 41.5	42.8 42.5	40.3	39.0 38.8	39.3	38. 37.
1952	42.1	42.8	40.1	38.5	38.8	37.
1953	41.8	42.6	40.1	38.6	38.8	37.
1954	40.9	41.5	39.5	38.8	39.1	38.
1955 1956	42.3	43.5	40.2	38.8	39.1	38
1957	41.7	42.7	39.3	39. 1 38. 7	39.4 39.0	38 38
1958	40.8	41.4	39.5	38.6	38.8	38
on-metallic mineral products:						
1946	46. 1	46.6	42.0	41.4	42.3	39 37
1949 1951	46.0 45.0	46.4	41.8	39.9	40.8	37 37
1952	45. 1	45.5	40.2	38.4	39.0	36
	44.4	44.7	40.9	39.2	39.9	37
954	44.7 45.0	45.0 45.3	40.5 40.5	39.0 39.5	39.6 40.1	37
1956	44.2	44.5	39.9	39.0	39.6	3'
957	43.0	43.3	39.0	39.3	39.8	37
958	44.1	44.4	39.9	38.4	38.9	36
ducts of petroleum and coal:						
946	41.9	42.0	=	39.5	39.9	38
949 951	41.9	41.9	_	38.0 38.4	38.6	36
952	41.5	41.5	-	36.7	37.0	3
953	41.6	41.7	-	37.2	37.5	36
954	41.6	41.7	-	36.8	37.0	30
955	41.5	41.6 40.6	_	36.9 36.8	37.1 37.0	36
957	41.4	41.5	_	36.8	37.0	3(
1958	40.8	40.8	-	36.3	36.5	35
emicals and allied products:						
946	44.4	45.3	41.0	39.5	40.0	38
949 951	44.3	45.1 43.3	40.8	38. 7 38. 6	39.2	3'
952	42.3	42.8	39.6	38.4	38.7	3'
953	42.3	42.9	39.5	38.3	38.5	3'
954	41.6	42.1	39.0	38.0	38.2	37
955 956	41.5	42.0 42.0	39.2 39.2	38.3 38.0	38.6	3' 3'
957	40.9	41.3	38.8	37.8	37.9	3'
958	41.3	41.7	39.3	37.8	38.0	37
cellaneous industries:						
946 949	42.9	43.9	41.0	43.1	41.9	38
951	42.8	44.2	40.7 39.5	40.5 38.9	41.1	37 37
952	42.4	44.3	39.8	38.3	39.5	35
953	42.2	43.7	40.0	38.9	39.4	37
954 955	42. 1 42. 7	43.1 44.1	40.3	38. 8 39. 1	39.6 39.9	37 37
956	42.5	43.9	40.6	39.1	38.9	37
957	41.2	42.3	39.4	38.2	38.8	37
958	42.1	43.0	40.6	38.1	38.4	37

¹ Statistics on hours worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over only. For 1946 and 1947 they refer to the last week in November and for 1948 to 1958 to the last week in October.

Subsection 5. Earnings in Manufacturing Industries

In 1958, the 36,741 establishments covered, employed 307,867 administrative and office employees and 981,735 production workers, a total of 1,289,602. Out of every 1,000 persons employed in manufacturing, 239 were classed as office employees and 761 as production workers; the former earned 31 p.c. and the latter 69 p.c. of the total amount paid out as remuneration for services.

A notable feature during the past few years was the reduction in the disparity between average annual earnings of office and production workers. Whereas in 1939 average annual earnings of production workers were only 56 p.c. of that paid to office workers, in 1943 the percentage rose to 76, they declined to 69 in 1947 and rose to 71 in 1958. This tendency towards equalization was due, in part, to the controls

adopted by the Government during the war years which tended to stabilize earnings of office workers more so than the earnings of production workers. The increase in average earnings of production workers was also influenced by the fact that large numbers were employed in the highly paid iron and steel industries and by the increase in the number of hours worked, some at overtime pay,

Ontario has a larger proportion of females among its office employees than the other provinces. The same situation prevails in Quebec with regard to production workers, due, no doubt, to the textile industries of the Province. The importance of the textile industries in providing employment to females is strikingly illustrated by the fact that of all female production workers engaged in the manufacturing industries of Canada in 1958, 41 p.c. were found in the textile and clothing groups.

Average earnings of office workers in 1958 amounted to \$4,773 which was \$1,937 or 68 p.c. higher than in 1949. Office employees in Ontario with \$4,971 were the highest paid. Those

in British Columbia were second with \$4,837, Quebec third with \$4,721, Alberta fourth with \$4,281 and Manitoba fifth with \$4,168. The fact that head offices of many large corporations are located in Montreal, Toronto, Winnipeg and Vancouver tends to raise the average salary of the provinces in which these cities are located

Average annual earnings of production workers in 1958 amounted to \$3,395 which was \$1,328 or 64 p.c. higher than in 1949. The manufacturing industries of British Columbia paid the highest average annual wages of \$3,853. Ontario with \$3,633 was in second place, followed by Alberta with \$3,510, Saskatchewan \$3,460, Manitoba \$3,146, Quebec \$3,064, Newfoundland \$2,989, etc. The high figure shown for Yukon and Northwest Territories in regard to average earnings of production workers is due to the unusual conditions under which industry is carried on in these regions, and is not representative. Statistics of the distribution of employees by provinces and industrial groups as well as average annual earnings are given in Table 33.

TABLE 33. Annual Earnings in the Manufacturing Industries, by Provinces and Industrial Groups, 1958 with Totals for Significant Years, 1917-57

	Ad	ministrative	and office employe	es¹		Produc	tion workers	
	Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
	nun	nber	dollar	3	num	ber	dollars	
1917	64.	918	85, 353, 667	1,315	541	605	412, 448, 177	762
1920		334	141,837,361	1,811	520,		575,656,515	1,106
1922		586	129,836,831	1,814	384,		359,560,399	935
1924	54,379	15,641	130,344,822	1,862	322,719	94,871	404, 122, 853	968
19262	58, 245	17,092	142,353,900	1.890	374, 244	109,580	483,328,342	999
19292	67,731	21,110	175,553,710	1,976	454,768	122,922	601,737,507	1,042
19302	64, 161	20,550	169,992,216	2,007	416,790	113, 195	527,563,162	995
19311	71, 198	20,293	172, 289, 095	1,883	337,636	99,513	415, 277, 895	950
1932	68,264	18,786	151, 355, 790	1,739	288,817	92,966	322, 245, 926	844
1933	67,875	18,761	139, 317, 946	1,608	287, 266	94,756	296,929,878	777
1934	71,963	20, 132	148,760,126	1,615	326,598	101, 119	355,090,929	830
1935	76,213	21,717	160,455,080	1,638	353,790	104,944	399,012,697	870
1936	81,409	23,008	173, 198, 057	1,659	379,977	109,965	438,873,377	896
1937	91,092	24,735	195, 983, 475	1,692	427, 285	117,339	525,743,562	965
1938	95,270	25,319	207,386,381	1,719	409, 172	112,255	498, 282, 208	956
1939	98, 165	26,607	217, 839, 334	1,746	415,488	117,854	519,971,819	975
1940	104, 267	31,493	241,599,761	1,780	491,439	135,045	679, 273, 104	1,084
1941	117,251	41,693	286, 336, 861	1,801	626,825	175,409	978,525,782	1,220
1942	123,125	54,062	334,870,793	1,890	732,319	242,585	1,347,934,049	1,383
1943	128,679	64,516	388,857,505	2,013	762,854	285,019	1,598,434,879	1,525
1944	126,858	65,700	418,065,594	2,171	744,635	285,689	1,611,555,776	1,564
1945	128,601	62, 106	417,857,619	2,191	680,620	248,045	1,427,915,830	1,538
1946	127,002	54,004	410,875,776	2,270	662,699	214,451	1,329,811,478	1,516
1947	135,248	55,852	474,693,800	2,484	721,407	219,243	1,611,232,166	1,713
1948	141,038	57, 192	532,594,959	2,687	738,721	218,770	1,876,773,231	1,960
1949	157,516	64,035	628, 427, 937	2,836	732,457	217, 199	1,963,462,720	2,067
1950	164,475	66,578	692,633,349	2,998	736,477	215,767	2,078,634,086	2, 183
1951	176,943	70,844	816,714,604	3,296	792,394	218, 194	2,459,566,313	2,434
1952	188,235	74,792	923,905,251	3,513	810,060	215, 295	2,713,714,909	2,647
1953	195,843	78,382	1,016,679,409	3,707	828,363	224,863	2,940,338,939	2,792
1954	199,763	79, 173	1,075,101,215	3,854	779, 955	209,075	2,821,586,476	2,853
1955	206,881	80,588	1, 147, 142, 086	3,990	796,721	214,271	2,995,267,448	2,963
1956	216,295	85,002	1,272,025,985	4,222	831,336	220,387	3,298,666,205	3, 136
1957	226,282	87,602	1,403,401,749	4,471	827,328	217,849	3,416,226,250	3, 269

¹ The increase in the number of office employees in 1931 is due to the following changes in method: 1. Prior to 1931 working proprietors, such as bakers, sawmill operators, small clothing manufacturers, etc., were considered as production workers. In 1931 and subsequent years, however, all such proprietors considered as office employees. 2. In 1931 travelling salesmen who were attached to the plant, and devoted all or the greater part of their time to selling the products of that plant, were included with office employees. Prior to this they were not reported at all,

¹ The averages of the number of production workers and earnings for the years 1931 to 1958 are strictly comparable with those for the years up to 1925 but not with those for the intervening years. The figures for the latest years—as for the earliest—represent the earnings for complete manyears of work, with no allowance for periods of unemployment. The difference amounts only to about 3 or 4 p.c. in the total figures and affects chiefly the seasonal industries.

TABLE 33. Annual Earnings in the Manufacturing Industries, by Provinces and Industrial Groups, 1958 with Totals for Significant Years, 1917-57 — Concluded

	Adm	inistrative	and office employ	ees		Produc	tion workers	
Province and group	Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
	num	ber	dollars	num	ber	dollars		
Provinces, 1958								
Newfoundland	1,805	305	6,831,806	3,238	6,575	919	22,401,763	2,98
Prince Edward Island	316	83	997,574	2,500	881	352	2,392,411	1,94
Nova Scotia	3,882	1,142	18,280,311	3,639	20,430	3,556	67,725,242	2,82
New Brunswick	2,582	853	12,847,300	3,740	14,523	2,786	48, 229, 871	2,78
Quebec	70,149	26,958	458, 439, 042	4,721	241,942	90,309	1,018,166,866	3,06
Ontario	110,994	45,721	779, 108, 028	4,971	359,381	90, 266	1,633,546,624	3,63
yanitoba	6,701	2,616	38,835,845	4,168	25,576	7,489	104,023,640	3, 14
Saskatchewan	2,583	908	12,804,725	3,668	7,778	1,014	30, 423, 667	3,46
Alberta	7,053	2,347	40, 237, 629	4,281	24,670	3,790	99,897,550	3,51
British Columbia	15,790	5,046	100,784,466	4,837	70,445	8,941	305, 843, 743	3,85
Yukon and Northwest Territories	26	7	157,555	4,774	96	16	520,602	4,6
Canada	221, 881	85, 986	1,469,324,281	4,773	772,297	209, 438	3, 333, 171, 979	3,3
Industrial groups, 1958	!							
Foods and beverages	27.664	11.544	164.654.514	4, 200	114,427	36,810	458,635,082	3,0
Tobacco and tobacco products	919	505	7,878,074	5,532	3,585	5,310	29, 265, 528	3,2
Rubber products	3,704	1,492	24,310,958	4,679	11,726	3,021	52, 134, 045	3,5
_eather products	2,580	1,313	17, 329, 989	4,452	14,525	11,733	61,353,810	2, 3
Textiles	8,737	4,349	60,676,924	4,637	32,747	17,639	132,651,024	2,6
Knitting mills	1,398	1, 135	10,538,803	4, 161	5,475	12,928	39, 290, 366	2, 1
Clothing	6,967	4,512	52,850,747	4,604	20,693	55,568	165, 122, 138	2, 1
Wood products	19.044	3,729	79, 349, 702	3,484	92,664	5,485	290, 231, 847	2,9
Paper products	13, 250	4,760	104, 712, 689	5,814	66,532	8,393	304,865,546	4,0
Printing, publishing and allied industries	17, 423	11.569	118, 214, 851	4,077	34;523	8,706	169, 756, 394	3,9
Iron and steel products	33, 497	11, 123	224, 200, 409	5,025	128,426	6,394	532, 972, 825	3,9
Pransportation equipment	25,657	6,729	172,865,028	5, 338	90,596	2,994	380,560,504	4,0
Non-ferrous metal products	9,348	2,907	67, 159, 801	5,480	36,321	2,725	159, 454, 671	4,0
Electrical apparatus and supplies	19,762	6,795	137, 459, 083	5, 176	33,979	14,408	178, 898, 690	3, 6
Non-metallic mineral products	6, 481	1,831	39,926,462	4,803	30,590	1,956	121,885,165	3,7
Products of petroleum and coal	5, 257	1,681	38,789,304	5,591	10, 429	60	50,701,202	4,8
Chemicals and allied products	13,802	6,868	104, 241, 557	5,043	28, 178	5,722	129,577,773	3,8
Miscellaneous industries	6.391	3, 144	44, 165, 386	4,632	16,881	9,586	75,815,369	2,8

Average Annual Earnings in the Forty Leading Industries. — Variations in average earnings are related to the number of employees in industries or areas where pay levels are above or below the average because of differences in basic pay rates, in sex and occupational distributions, in amounts of bonus or commission payments, levels of activity, etc. The earnings of salaried men are substantially higher, on the average, than those of other categories, mainly because their numbers include relatively highly-paid managerial and professional workers. Women's earnings are generally well below those of men in the same industry, chiefly as a result of pay differentials, occupational differences, the greater incidence of part-time work and absenteeism among women, and their higher proportions of younger and less experienced workers.

In 1958 there were seventeen industries paying office workers \$5,000 or over, as compared with ten in 1957 and none in 1951. Indicative of the rapidly changing pattern of remuneration in manufacturing is the fact that in 1945, the last year of the war, no industry paid office workers annual salaries of over \$3,000. The highest average earnings in that year were \$2,935 reported by the brewing industry. Highest average earnings in 1957, amounting to \$6,121 were received by the administrative and office employees of the pulp and paper industry which has held the premier position for a number of years. This was the first year that any industry averaged over

\$6,000 in annual earnings. In 1958 two other industries, viz., primary iron and steel with \$6,085 and nonferrous metal smelting and refining with \$6,054 also topped the \$6,000 annual average. There were fourteen industries with annual averages of \$5,000 to \$6,000, twelve with averages of \$4,500 to \$5,000, seven with averages of \$4,000 to \$4,500 and only four with annual averages below \$4,000. Of these four industries sawmills had the lowest average of \$2,516, followed by butter and cheese with \$3,287, bread and other bakery products with \$3,533 and sash, door and planing mills with \$3,940. Average salaries in the forty leading industries totalled \$4,870 as compared with \$4,560 for the smaller industries. This lower average is due in part to a higher proportion of female office workers in the smaller industries. In the forty leading industries 26 p.c. of the office employees were female while in the smaller industries 33 p.c. were in this category.

The increase in the average earnings of production workers since 1945 paralleled that of administrative and office employees. Whereas in 1945 there were only four industries averaging over \$2,000, in 1957 none of the forty leading industries averaged below this figure. In 1945 the highest annual earnings, amounting to \$2,365, were paid by the motor vehicle industry, while in 1957 the highest earnings which totalled \$4,866 were paid by the petroleum products industry.

The highest earnings are usually paid by industries in which the proportion of skilled workers is high, and the proportion of female workers is low. Twelve industries in 1958 had average annual earnings of \$4,000 or more. These were: petroleum products \$4,945, primary iron and steel \$4,636, acids, alkalies and salts \$4,606, motor vehicles \$4,564, nonferrous metal smelting and refining \$4,556, pulp and paper \$4,442, heavy electrical machinery \$4.391, printing and publishing \$4,254, bridge and structural steel work \$4,236, breweries \$4,213, aircraft and parts \$4,155 and agricultural implements \$4,086. In thirteen other industries average annual earnings ranged between \$3,500 and \$4,000, in ten they were between \$2,500 and \$3,500 while in the remaining five they

were below \$2,500. This last group includes industries made up of a large number of small establishments and in which the proportion of female workers is high. Cotton yarn and cloth with \$2,451, fruit and vegetable preparations \$2,301, women's factory clothing \$2,293, leather footwear \$2,244 and men's factory clothing \$2,166 are the industries in this category. Average annual earnings of production workers in the forty leading industries amounted to \$3,571 as compared with \$3,019 for the smaller industries. The lower average for the smaller industries is due mainly to a higher proportion of female workers. Employment, by sex, and average annual earnings in the forty leading industries are given in Table 34.

TABLE 34. Annual Earnings in the Forty Leading Industries, 1958
Note: Industries ranked according to the aggregate salaries and wages paid

		Adm	inistrative	and office employ	yees		Produ	ction workers	
No.		Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
		nun	ber	dollars		nui	nber	dollars	
1	Pulp and paper	8,955	2,639	74, 253, 570	6,404	51,506	984	233, 162, 045	1 4,442
2	Aircraft and parts	11,776	3,274	78, 896, 742	5,242	24, 288	594	103, 380, 135	4, 155
3	Primary iron and steel	4,266	1,095	32,619,556	6,085	24,728	172	115, 403, 506	4,635
4	Sawmills	9, 143	847	25, 137, 947	2,516	37,531	242	117, 562, 097	3, 11
5	Non-ferrous, metal smelting and refining	4,773	744	33, 398, 402	6,054	21,391	51	97, 682, 848	4,556
6	Motor vehicles	5,831	1,437	42,423,389	5,837	18, 795	333	87, 295, 304	4, 56
7	Printing and publishing	8,911	5,368	58, 494, 194	4,097	14,207	2,071	69, 247, 198	4, 254
8	Bread and other bakery products	3, 881	1,231	18, 059, 471	3,533	22,837	7,669	88, 909, 311	2,914
9	Slaughtering and meat packing	4,333	1,431	26, 929, 123	4,672	16, 114	3,834	75, 747, 513	3, 797
10	Miscellaneous electrical apparatus and supplies	5,498	2,084	38, 325, 263	5,055	12, 134	5,400	62, 835, 637	3,584
11	Printing and bookbinding	4,466	2, 293	31,088,154	4,600	14,327	5,336	68, 385, 050	3,478
12	Furniture	4, 311	1,478	24, 476, 547	4,228	23, 431	2, 285	73, 330, 894	2, 852
13	Machinery, heavy, electrical	6,493	1, 985	46,658,315	5,503	9, 878	1,718	50, 915, 060	4,39
14	Machinery, industrial	6, 322	2,111	38, 878, 644	4,610	14,390	524	56, 723, 773	3, 803
15	Railway rolling stock	2, 476	295	14, 922, 642	5, 385	19, 569	34	73, 031, 127	3, 726
	Sheet metal products	3,324	1,356	23, 267, 435	4,972	12,927	1,500	54, 868, 136	3,803
17	Motor vehicle parts	3,149	1,032	22, 597, 535	5,405	12, 140	1,811	55, 133, 236	3, 952
18	Petroleum products	4,744	1,483	35,786,891	5, 747	8, 203	60	40, 856, 927	4,945
19	Rubber goods, including footwear	3,704	1,492	24, 310, 958	4,679	11,726	3,021	52, 134, 045	3, 535
20	Telecommunication equipment	5,673	1,837	38, 236, 707	5,091	5, 883	5,707	37, 261, 077	3, 215
21	Clothing, men's factory	2,477	1,559	17, 854, 433	4,424	8,052	17,881	56, 159, 446	2,166
22	Butter and cheese	3, 124	1,820	16, 252, 927	3, 287	15, 163	772	52,780,764	3,312
	Clothing, women's factory	1,754	1, 435	16, 914, 518	5,304	4,921	17,566	51, 555, 362	2, 293
24	Bridge and structural steel work	3,002	675	20, 052, 401	5,453	10,836	18	45, 975, 563	4, 236
25	Shipbuilding and repairs	1,919	526	11, 360, 656	4,646	13,646	41	54, 522, 434	3,984
26	Castings, iron	2,071	704	13, 830, 445	4,984	12,062	244	47, 346, 989	3,847
27	Boxes and bags, paper	2, 287	1,014	15, 447, 311	4,680	8, 614	4,681	42, 211, 277	3,175
28	Sash, door and planing mills	3, 124	621	14, 754, 830	3,940	14,069	142	40,004,356	2,815
29	Cotton yarn and cloth	2, 138	1,238	14, 151, 755	4,192	10,626	5,432	39, 362, 819	2,451
30	Miscellaneous chemical products	3, 125	1, 273	22, 736, 229	5, 170	6,703	1,310	30,433,724	3,798
31	Hardware, tools and cutlery	2,201	1,103	15, 952, 618	4,828	8,684	1,460	35, 176, 569	3,468
	Footwear, leather	1,668	847	10,748,712	4,274	9,015	8,601	39, 525, 544	2, 244
33	Acids, alkalies and salts	2,544	691	18, 285, 357	5,652	6,791	47	31, 495, 086	4,606
34	Synthetic textiles and silk	2,637	1, 089	18, 162, 032	4,874	8,295	2,415	31, 195, 174	2,913
	Agricultural implements	2,083	572	13, 205, 194	4,974	8,260	96	34, 139, 235	4,086
	Concrete products	2, 139	430	11, 493, 353	4,474	9,167	83	33, 313, 761	3,601
	Fruit and vegetable preparations	1,980	1,103	13, 343, 388	4, 328	6, 785	6,299	30, 101, 165	2,301
	Miscellaneous iron and steel products	2,012	507	12, 124, 359	4,813	7,043	647	26, 976, 722	3,508
39	Wire and wire goods	1,477	619	10, 952, 811	5, 226	6,501	622	27, 260, 761	3,827
40	Breweries	1,445	467	11, 434, 301	5,980	6, 186	50	*26, 274, 556	4,213
	Totals, forty leading industries	157, 236	53, 805	1, 027, 819, 115	4,870	557, 424	111,753	2, 389, 676, 216	3,571
	Totals, other industries	64, 645	32, 181	441, 505, 166	4,560	214, 873	97, 685	943, 495, 763	3,019
	Totals, all industries	221,881	85, 986	1, 469, 324, 281	4,773	772, 297	209, 438	3, 333, 171, 979	3,395

Average Annual, Weekly and Hourly Earnings. - Statistics on employment and earnings are compiled in two separate divisions of the Bureau, viz. the Industry and Merchandising Division and the Labour Division. The Industry and Merchandising Division collects from every manufacturer once a year details of the number of persons employed and total payments made during the calendar year, classified by sex. This data is also classified into (a) administrative and office employees and (b) production and related workers. The office employees reported is the average for the year, while in the case of production workers manufacturers report the number of workers receiving pay during the last pay period of each month and the monthly average is calculated in the Bureau. We thus have statistics on employment broken down by sex with separate figures on the amounts paid to (a) administrative and office employees referred to as Office Employees and (b) production and related workers referred to as Production Workers. Average annual earnings, not broken down by sex, are, therefore, available for these two classes of employees.

Statistics on weekly and hourly earnings as well as hours worked per week are compiled by the Employment Section of the Labour Division. In addition to the monthly surveys on employment, payrolls and man-hours which covers all sectors of the economy, there is an annual survey on earnings and hours worked in the last week of October, covering the larger manufacturing establishments. Each year statistics of earnings and hours of male and female wage-earners and salaried employees are obtained, with additional detail collected in a three-year cycle since 1949. In 1956, as in 1953 and 1950, a distribution of wage-earners and salaried employees by amounts earned in the survey week was made. The first two inquiries had required distributions in \$5 intervals to \$60 per week, in \$10 intervals thereafter, with an upper class of \$100 and over while the 1956 survey called for distributions in \$10 intervals to \$150 a week. In 1955, a distribution of wage-earners in a given range of hours was obtained while, in 1954, information for office and clerical workers was segregated from that for managerial, professional and other salaried personnel. The annual and monthly surveys cover establishments usually employing 15 or more persons and include almost 90 p.c. of all employees in manufacturing as reported to the Annual Census of Manufactures.

Establishments co-operating in the annual surveys are asked to furnish material for all full-time, casual and part-time employees receiving pay in the last week in October, except home-workers. Proprietors, firm members, pensioners, and staffs of separately-organized sales offices are excluded. Establishments closed in the week because of labour disputes usually report for the nearest week of operation. Men and women are grouped as (1) wage-earners, defined generally as production workers, including working foremen, route-drivers, shipping and maintenance staffs, and related employees, and (2) salaried employees, comprising general office and clerical workers in the office and plant, executive, administrative and professional personnel, and travelling salesmen directly responsible to the plant administration. Hours and earnings in the week are required for workers of both sexes in each category.

The reported hours include full-time, short-time and overtime hours worked and any hours of paid absence in the week. The earnings cover the gross payrolls before deductions for taxes, unemployment insurance contributions, etc., including time, piece-work and commission earnings, regularly-paid incentive, cost-of-living and other bonuses, overtime earnings, and payments to persons absent with pay during the survey week.

While establishments differ to some extent in their classification of certain categories of employees, the proportions of salaried employees in the various industries and areas are generally related to the type and scale of operations. Where plants are typically small, as in Saskatchewan, proprietors and firm members (excluded from the surveys) frequently undertake managerial and office duties that in larger establishments require substantial staffs. On the other hand, large and multiple plant organizations and those requiring many professional workers, such as printing and publishing, employ above-average proportions of salaried personnel. Where travelling salesmen and associated office workers appear on the plant payroll, salaried workers are relatively more numerous than where

separate sales offices are maintained. The proportions of employees reported as salaried staff and as wage-earners are affected by seasonal and market conditions and by other factors contributing to variations in production levels, which usually cause sharper fluctuations in numbers of wage-earners than of salaried employees.

Inter-industry and area variations in hours, as well as year-to-year changes, result from a variety of causes. These include (1) the length of the standard work week, (2) the number of casual and part-time workers and the hours they worked in the reported week, (3) amounts of overtime worked, and of time lost through absenteeism, labour turnover, industrial disputes, lay-offs, etc., (4) differing occupational requirements, and (5) varying proportions of men and women. Women generally average substantially less time than men. Their standard work week tends to be shorter, relatively small proportions of women are employed in industries where the work week is above-average, and they have a higher incidence of part-time work and of absenteeism.

Differences in average earnings are related to the distributions of employees in industries or areas where pay levels vary from the average because of variations in basic pay rates, in sex and occupational distributions, in amounts of bonus or commission payments, in levels of activity, etc. The earnings of salaried men are substantially higher, on the average, than those of other categories, mainly because their numbers include relatively highly-paid managerial and professional workers. Women's earnings are generally well below those of men in the same industries, chiefly as a result of pay differentlals, occupational differences, the greater incidence of part-time work and absenteeism among women, and their higher proportions of younger and less experienced workers.

There are a few minor differences in the coverage and wording used by the two divisions. The terms "administrative and office employees" and "production and related workers" used by the Industry and Merchandising Division in its annual survey of manufactures corresponds more or less to the terms "salaried employees" and "wage-earners" used by the Employement Section of the Labour Division. There are, however, two minor differences in the two surveys. The Industry and Merchandising Division includes working proprietors with office employees while the Labour Division excludes them from their surveys. In the case of travelling salesmen attached to the plant the Labour Division includes them with salaried employees while the Industry and Merchandising Division does not consider them as being employed in manufacturing.

Prior to 1946 statistics on weekly and hourly earnings as well as hours worked by production workers were collected by the Industry and Merchandising Division in the annual survey of manufactures. Since then this phase of the work was taken over by the Employment Section of the Labour Division and was also expanded to include office employees.

The figures for the years 1934 to 1945 given in Table 35 are based on an analysis of a pay-list covering one week in the month of highest employment. For this reason the figures do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all the firms. For a particular industry, however, the month of highest employment is more significant as in such a case it coincides for a great number of firms engaged in the same industry. The figures since 1946 are based on returns received from establishments employing 15 hands or over, and for 1946 and 1947 they refer to the last week in the month of November, whereas for 1948-1958 they refer to the last week in the month of October.

As mentioned above, average annual earnings in manufacturing, classified by sex, are not directly available. To calculate annual earnings by sex, the weekly earnings compiled by the Employment Section are correlated with the employment and payroll data obtained by the annual survey of manufactures. The following example will illustrate the method that is used.

In 1949 the paper products group, according to the annual census of industry, reported 9,077 male and 3,573 female office employees with total payments of \$46,537,336. From

the October survey on weekly earnings this group showed \$77.41 per week for male and \$34.88 per week for female office employees. The proportion of female to male earnings is therefore .451 $\frac{$34.88}{$77.41}$ Female employees are first reduced to a male basis and the calculation is then as follows:

Annual Earnings of Male Employees

$$\frac{\$46,537,336}{9,077+.451(3,573)} = \frac{\$46,537,336}{10,688} = \$4,354$$

Annual Earnings of Female Employees

$$$4,354 \times .451 = $1,964$$

In the foregoing calculation the assumption is made that annual earnings of male and female employees vary in the same proportion as their weekly earnings. In the above illustration it may also be noted that the calculated annual earnings for male employees amounting to \$4,354 are higher than the weekly earnings multiplied by 52 which total only \$4,025 (\$77.41 x 52). This difference is due to the fact that the earnings reported to the Census of Manufactures include payments to executives as well as bonuses to employees which are usually paid at the end of the year, while the earnings reported for the one week in the year exclude such payments.

Average Annual, Weekly and Hourly Earnings of Production workers, — Average weekly earnings of male production workers for manufacturing as a whole amounted to \$75.03 in 1958, an increase of \$27.70 or 58 p.c. as compared with 1949. Average hourly earnings advanced from \$1.07 in 1949 to \$1.80 in 1958, an increase of 68 p.c., while annual earnings at \$3,749 were 64 p.c. higher. There are wide regional and industrial variations in hourly earnings. British Columbia is the highest paying province, hourly earnings for male production workers being \$2.09 in 1958 as compared with \$1.80 for Canada as a whole. Ontario with \$1.88 was second while Prince Edward Island with \$1.13 was the lowest. On an industrial basis, production workers in the products of petroleum and coal group of industries were the highest paid with an hourly average of \$2.28, while the leather group was the lowest with \$1.34.

Female production workers received on an average \$41.90 per week in 1958, an increase of 54 p.c. since 1949. Hourly earnings at \$1.08 were 59 p.c. higher, while annual earnings at \$2,092 were also 59 p.c. higher. In the case of females, British Columbia with \$1.39 per hour was also the highest paying province, while Newfoundland with 61 cents per hour was the lowest. The tobacco and tobacco products group with \$1.50 per hour paid the highest wages to its female production workers, while the leather products group had the lowest at 91 cents per hour. Both male and female production workers of the leather products group received the lowest hourly earnings in the manufacturing field.

The following table gives the weekly and hourly earnings of male and female production workers in each province and major industrial group for the year 1958.

Average Weekly and Hourly Earnings of Male and Female Production Workers, by Provinces and Industrial Groups, 1958

Yanging and industrial account	Male ear	nings	Female ea	rnings
Province and industrial group	Weekly	Hourly	Weekly	Hourly
		dollar	s	
Province			1	
Newfoundland	61.91	1.62	19.58	0.6
Prince Edward Island	50.98	1.13	23.60	0.6
Vova Scotia	62.31	1.54	28.09	0.6
New Brunswick	64.36	1.48	29, 61	0. '
Quebec	70.50	1.64	39.37	1.0
Ontario	78.32	1.88	44.87	1. 1
Manitoba	70.94	1.72	38.29	0.9
Saskatchewan	71.88	1.76	44.56	1. 1
Alberta	74.45	1.82	47.31	1. :
British Columbia	81.97	2.09	49.78	1.
Canada	75. 03	1.80	41, 90	1. (
Industrial group				
Foods and beverages	68. 24	1.59	39.93	1.0
Cobacco and tobacco products	76.30	1.84	57.60	1.
Rubber products	78.86	1.86	48.19	1.:
eather products	54.95	1.34	34.88	0.:
Textile products (except clothing)	59.40	1.37	41.51	1.
Clothing, including knitting mills	61.01	1.49	36. 91	0.:
Wood products	63.33	1.47	45.76	1.
Paper products	84. 20	2.02	44.69	1.
Printing, publishing and allied industries	87.83	2. 19	42.51	1.
ron and steel products	80.66	1.96	53.84	1.:
Fransportation equipment	78.11	1.94	56. 74	1.
Von-ferrous metal products	80, 28	2.01	42, 65	1.
Electrical apparatus and supplies	77, 93	1.88	53.34	1.
Von-metallic mineral products	76. 72	1.73	49.44	1.
Products of petroleum and coal	93. 16	2. 28		
Chemicals and allied products	80.46	1.93	44.78	1.
Miscellaneous industries	67. 28	1.56	41.39	1.1

⁻⁻ Number too small to be significant.

TABLE 35. Average Annual, Weekly and Hourly Earnings of Production Workers, Employed in the Manufacturing Industries, 1934-581

Note: Butter and cheese factories and fish curing and packing plants are excluded in the years 1938 to 1945, while sawmills are also excluded in 1945. By including sawmills, weekly earnings in 1945 would have been about \$34.35 for male wage-earners.

	All pr	oduction wo	rkers	N	lale workers		Female workers		
Year	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
					dollars				
1934 1935 1936 1937	830 870 896 965	18.30 18.50 18.96	0.37 0.38 0.39	930 966 995	20. 31 20. 41 20. 92	0.41 ² 0.41 ² 0.42 ²	539 750 577	11.80 12.04 12.20	0. 25 ² 0. 26 ² 0. 26 ²
1938	956	19.49	0.42	1,055	21.49	0.45	594	12. 10	0.27
	975	20.14	0.43	1,076	22.23	0.46	619	12. 78	0.28
	1,084	22.35	0.45	1,202	24.82	0.49	655	13. 52	0.27
	1,220	24.95	0.49	1,355	27.72	0.54	736	15. 05	0.32
1942	1,383	28.18	0.56	1,558	31.75	0.62	854	17.41	0.37
1943	1,525	29.87	0.61	1,726	33.80	0.67	987	19.33	0.43
1944	1,564	31.05	0.65	1,761	34.95	0.71	1,051	20.89	0.48
1945	1,538	30.98	0.67	1,739	35.04	0.74	984	19.84	0.47
1946	1,516	32.38	0.74	1,702	36.23	0.81	943	20.08	0.50
1947	1,713	37.19	0.85	1,909	41.35	0.92	1,067	23.11	0.58
1948	1,960	41.25	0.95	2,175	45.73	1.02	1,233	25.91	0.65
1949	2,067	42.61	0.98	2,291	47.33	1,07	1,315	27.18	0.68
1950	2,183	45.94	1.06	2,419	50.93	1.14	1,376	29.00	0.73
1951	2,434	51.32	1.22	2,693	56.46	1.31	1,492	31.27	0.83
1952	2,647	55.17	1.30	2,915	60.85	1.40	1,638	34.17	0.86
1953	2,792	56.75	1.36	3,082	62.71	1.47	1,723	35.07	0.91
1954	2,853	57.99	1.40	3,145	63. 98	1.51	1,764	35.90	0.93
1955	2,963	60.53	1.44	3,267	66. 86	1.57	1,833	37.52	0.95
1956	3,136	63.97	1.53	3,458	70. 67	1.66	1,923	39.29	1.00
1957	3,269	65.31	1.61	3,609	72. 21	1.75	1,974	39.49	1.05
1957	3,395	67.85	1.65	3,749	75. 03	1.80	2,092	41.90	1.08

¹ Statistics on weekly and hourly earnings are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over. For 1946 and 1947 they refer to the last week in November and for 1948 to 1958 to the last week in October. Annual earnings are calculated. See text on pages 80 and 81.
² Estimated on the basis of hours worked by female workers in 1938 and 1939 as compared with those worked by male workers in these years.

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946 - 58

(Statistics for the years 1938-45 are published on page 60 of the 1950 General Review of the Manufacturing Industries of Canada)

	All production workers			Male workers			Female workers		
Province and year	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
					dollars				
ewfoundland:			1		1				
1949 1950 1951 1951 1952 1953 1954 1955 1956 1956 1957	2,392 2,626 2,350 2,479 2,549 2,820 2,752 2,861 3,159 2,989	46. 52 52. 37 54. 42 57. 11 57. 57 56. 93 59. 89 60. 42 56. 77	0. 99 1. 15 1. 23 1. 32 1. 35 1. 37 1. 46 1. 57 1. 51	2, 919 2, 613 2, 705 2, 735 3, 059 3, 053 3, 154 3, 464 3, 263	50.85 56.80 58.78 60.50 61.67 61.17 65.52 65.68 61.91	1. 07 1. 23 1. 32 1. 38 1. 43 1. 46 1. 56 1. 67 1. 62	1,016 852 903 911 1,043 1,035 921 1,005 1,034	17. 72 18. 51 19. 62 20. 13 21. 01 20. 72 19. 12 19. 04 19. 58	0. 6 0. 6 0. 8 0. 8 0. 8 0. 8
rince Edward Island: 1946 1949 1951 1952 1953 1954 1955 1955 1956	911 1,145 1,312 1,455 1,616 1,591 1,607 1,679 1,864	21.51 29.76 34.10 43.53 38.07 39.55 39.76 42.03 39.69 42.90	0. 46 0. 62 0. 74 0. 96 0. 83 0. 88 0. 90 0. 94 1. 02	1,097 1,323 1,521 1,719 1,846 1,832 1,857 1,962 2,181 2,292	25. 42 33. 96 38. 33 48. 13 42. 94 44. 47 45. 82 47. 92 45. 81 50. 98	0.54 0.71 0.83 1.04 0.93 0.97 1.02 1.05 1.13	555 718 808 801 1,032 967 940 1,052 1,110	12.87 18.45 20.34 22.41 24.02 23.48 23.17 25.69 23.34 23.60	0.2 0.4 0.5 0.5 0.5 0.5 0.6

¹ The average annual earnings are calculated on the basis of the total amount paid during the year as reported to census of industry, while the weekly earnings are based on an analysis of the pay-list for the last week in October and only cover establishments employing 15 hands or over, The drop in the average annual earnings is due in part to these factors as well as to the fact that in 1951 statistics for the processing of fish in Newfoundland were included with manufacturers for the first time. As this is a seasonal industry annual earnings are, therefore, lower. In 1951 average annual earnings of production workers for both sexes for this industry averaged \$1,151 as compared with \$2,806 for the other industries of the province.

^{..} Not available.

^{..} Not available.

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-58 — Continued

	All p	roduction wo	orkers	1	Male worker	s	F	emale work	ers
Province and year	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
Nova Scotia: 1946 1949 1949 1951 1952 1953 1954 1955 1956 1956	1, 398 1, 810 2, 024 2, 187 2, 313 2, 337 2, 446 2, 608 2, 773 2, 824	31. 44 39. 56 44. 77 46. 89 49. 27 48. 37 51. 53 53. 61 56. 50 57. 27	0. 69 0. 89 1. 03 1. 11 1. 18 1. 18 1. 25 1. 30 1. 39 1. 41	1,502 1,959 2,179 2,349 2,494 2,520 2,641 2,821 3,074	33. 90 42. 87 48. 30 50. 41 53. 15 52. 41 55. 62 58. 19 61. 70 62. 31	0. 74 0. 96 1. 11 1. 19 1. 27 1. 27 1. 34 1. 41 1. 50 1. 54	762 911 998 1,113 1,100 1,106 1,173 1,255 1,237 1,386	17. 18 19. 94 22. 14 23. 89 23. 45 23. 01 24. 70 25. 88 25. 24 28. 09	0. 39 0. 47 0. 52 0. 56 0. 57 0. 59 0. 62 0. 63 0. 65 0. 69
New Brunswick: 1946 1949 1951 1952 1953 1954 1955 1956 1957 1958	1, 390 1, 823 2, 087 2, 201 2, 326 2, 375 2, 414 2, 587 2, 746 2, 786	30. 54 38. 64 46. 87 48. 33 49. 93 51. 28 54. 37 57. 61 57. 12 58. 78	0.66 0.85 1.06 1.10 1.17 1.21 1.26 1.32 1.40	1, 528 1, 983 2, 275 2, 376 2, 534 2, 594 2, 628 2, 826 2, 994 3, 052	33, 58 42, 18 51, 42 52, 19 54, 48 55, 16 58, 82 62, 65 61, 97 64, 36	0. 72 0. 91 1. 13 1. 17 1. 24 1. 27 1. 34 1. 41 1. 49 1. 48	781 1,114 1,188 1,340 1,234 1,209 1,267 1,325 1,359 1,404	17. 16 23. 71 26. 86 29. 42 26. 51 25. 70 20. 33 29. 36 28. 11 29. 61	0.40 0.57 0.69 0.72 0.72 0.68 0.73 0.73 0.77
Quebec: 1946 1949 1951 1952 1953 1954 1956 1956 1957	1, 445 1, 907 2, 216 2, 413 2, 558 2, 614 2, 695 2, 858 2, 973 3, 064	30. 51 39. 61 47. 26 50. 64 52. 48 53. 04 55. 84 59. 39 59. 93 61. 74	0. 67 0. 89 1. 10 1. 15 1. 23 1. 25 1. 29 1. 38 1. 45 1. 48	1,660 2,171 2,528 2,741 2,911 2,961 3,061 3,246 3,380 3,483	34. 95 45. 19 53. 58 57. 74 59. 72 60. 28 63. 69 67. 56 68. 24 70. 50	0. 74 0. 98 1. 20 1. 27 1. 35 1. 38 1. 43 1. 52 1. 60 1. 64	926 1,246 1,385 1,519 1,592 1,661 1,708 1,798 1,852 1,944	19. 49 25. 93 29. 37 32. 00 32. 67 33. 80 35. 53 37. 46 37. 38 39. 37	0. 47 0. 65 0. 78 0. 80 0. 85 0. 87 0. 89 0. 94 0. 99 1. 02
Ontario: 1946 1949 1951 1951 1952 1953 1954 1955 1956 1956 1957	1, 552 2, 187 2, 602 2, 840 2, 980 3, 026 3, 166 3, 189 3, 483 3, 633	33. 26 44. 34 53. 87 58. 27 59. 34 60. 83 63. 25 66. 87 68. 71 71. 45	0.78 1.04 1.30 1.38 1.44 1.48 1.52 1.62 1.70	1,738 2,405 2,848 3,094 3,257 3,304 3,457 3,662 3,811 3,974	37. 09 48. 88 58. 60 63. 60 65. 00 66. 54 69. 25 73. 39 75. 38 78. 32	0. 84 1. 12 1. 38 1. 49 1. 55 1. 69 1. 64 1. 75 1. 84 1. 88	963 1,400 1,635 1,788 1,892 1,916 1,996 2,080 2,134 2,277	20. 53 28. 45 33. 66 36. 78 37. 74 38. 56 40. 06 41. 69 42. 25 44. 87	0.53 0.72 0.89 0.94 0.98 1.00 1.02 1.07 1.11
Manitoba: 1946	1, 491 1, 900 2, 270 2, 443 2, 619 2, 647 2, 762 2, 937 2, 986 3, 146	31. 16 41. 06 48. 46 51. 17 53. 48 54. 85 57. 10 59. 19 60. 72 63. 75	0.73 0.95 1.17 1.23 1.31 1.33 1.37 1.44 1.52	1,662 2,114 2,532 2,698 2,925 2,939 3,090 3,273 3,345 3,512	34. 51 45. 39 53. 21 56. 34 59. 21 60. 70 63. 38 65. 65 67. 60 70. 94	0.79 1.02 1.26 1.34 1.42 1.45 1.50 1.57 1.66	949 1,222 1,382 1,562 1,580 1,631 1,666 1,784 1,766 1,896	19. 72 26. 24 29. 07 32. 63 31. 98 33. 67 34. 19 35. 76 35. 70 38. 29	0, 50 0, 66 0, 76 0, 82 0, 84 0, 87 0, 91 0, 96 0, 99
Saskatchewan: 1946 1949 1951 1952 1953 1954 1955 1956 1957 1958	1, 455 2, 042 2, 363 2, 609 2, 785 2, 900 3, 017 3, 114 3, 312 3, 460	32. 78 41. 34 49. 18 52. 87 56. 33 58. 67 60. 13 64. 78 68. 13	0.75 0.98 1.19 1.28 1.37 1.41 1.45 1.53 1.62 1.68	1,531 2,142 2,473 2,730 2,909 3,056 3,181 3,275 3,475 3,619	34. 11 43. 33 51. 58 55. 30 58. 73 61. 86 63. 70 65. 62 68. 54 71. 88	0. 77 1. 01 1. 23 1. 32 1. 41 1. 46 1. 51 1. 59 1. 69	1,007 1,384 1,568 1,753 1,865 1,748 1,797 1,909 2,068 2,244	22. 45 27. 99 32. 69 35. 52 37. 62 35. 41 36. 00 38. 23 40. 79 44. 56	0. 55 0. 71 0. 85 0. 91 1. 00 0. 99 0. 99 1. 02 1. 13
Alberta: 1946 1949 1951 1952 1953 1954 1955 1956 1956 1957	1,477 2,025 2,323 2,518 2,718 2,870 2,977 3,137 3,334 3,510	32. 40 43. 80 50. 39 55. 10 58. 43 60. 82 61. 80 64. 58 67. 45 70. 97	0. 75 1. 01 1. 22 1. 33 1. 42 1. 47 1. 50 1. 57 1. 70 1. 75	1,582 2,137 2,449 2,653 2,864 3,037 3,141 3,297 3,510 3,689	34.50 46.01 52.83 58.30 61.66 64.00 65.16 67.96 71.08 74.45	0. 79 1. 05 1. 27 1. 39 1. 48 1. 52 1. 56 1. 64 1. 76 1. 82	981 1,385 1,531 1,661 1,787 1,795 1,894 2,074 2,124 2,343	21. 38 29. 83 33. 04 36. 48 38. 45 37. 81 39. 31 42. 72 42. 98 47. 31	0, 51 0, 73 0, 86 0, 96 1, 01 1, 03 1, 04 1, 11 1, 19 1, 26

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-58 — Concluded

	All production workers			Male workers			Female workers		
Province and year	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
					dollars				
British Columbia: 1946 1949 1951 1952 1953 1954 1955 1956 1957	1,750 2,282 2,723 2,975 3,108 3,221 3,307 3,472 3,647 3,853	36.83 47.36 58.65 62.21 64.76 66.95 68.88 72.39 74.26 78.96	0.89 1.18 1.50 1.58 1.64 1.69 1.74 1.83 1.95 2.03	1,956 2,410 2,871 3,127 3,277 3,386 3,473 3,638 3,828 4,031	39. 01 49. 82 61. 70 65. 35 68. 10 70. 07 72. 14 75. 53 77. 42 81. 97	0.94 1.23 1.56 1.65 1.71 1.75 1.81 1.90 2.01 2.09	1,156 1,381 1,599 1,776 1,842 1,900 1,973 2,103 2,213 2,447	23. 05 28. 57 34. 36 37. 11 38. 28 39. 31 40. 96 43. 67 44. 72 49. 78	0.59 0.77 0.96 1.03 1.05 1.10 1.12 1.20 1.30
Yukon and Northwest Territories: 1946 1948 1949 1951 1952 1953 1954 1955 1956 1957	2,249 2,824 2,502 2,686 3,366 3,331 3,376 3,684 3,991 4,648				Not av	ailable			

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-58

	All pr	oduction we	orkers	M	fale workers		Female workers		
Group and year	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
Foods and beverages: 1946 1949 1951 1952 1952 1953 1954 1955 1956 1956	1,389 1,817 2,113 2,285 2,393 2,482 2,570 2,695 2,853	29.15 38.45 44.79 47.75 49.47 50.17 51.88 54.51 56.69	0.66 0.87 1.03 1.11 1.16 1.20 1.24 1.30	1,574 2,046 2,371 2,564 2,687 2,786 2,882 3,023 3,186	dollars 33.09 43.98 50.67 54.36 56.52 57.20 59.16 62.35 64.16	0.72 0.95 1.13 1.22 1.28 1.36 1.44 1.52	869 1,140 1,370 1,467 1,537 1,577 1,654 1,750 1,835 1,973	18, 27 24, 51 29, 29 31, 12 32, 31 32, 40 33, 96 36, 12 36, 98 39, 93	0.47 0.62 0.75 0.80 0.83 0.86 0.89 0.94 1.00
1958 Tobacco and tobacco products: 1946 1949 1951 1952 1953 1954 1955 1956 1957	1,168 1,882 2,279 2,526 2,580 2,703 2,849 2,890 3,088 3,290	23.85 38.63 51.75 50.96 52.43 56.28 57.14 58.82 60.75 64.92	1. 46 0. 56 0. 89 1. 25 1. 30 1. 39 1. 42 1. 49 1. 57 1. 64	3,373 1,468 2,258 2,657 2,975 3,025 3,113 3,282 3,422 3,593 3,854	30.06 46.74 60.49 60.24 61.69 64.82 66.30 70.10 70.95 76.30	0.66 1.03 1.38 1.41 1.48 1.54 1.60 1.69 1.76	995 1,662 2,030 2,231 2,305 2,441 2,567 2,560 2,777 2,910	20.37 34.42 46.24 45.18 46.99 50.85 51.84 52.43	0.49 0.81 1.16 1.14 1.18 1.29 1.31 1.37 1.46
Rubber products: 1946 1949 1951 1951 1952 1953 1954 1955 1956 1957 1958	1,567 2,138 2,622 2,858 2,981 2,992 3,154 3,338 3,464 3,535	36. 78 43. 36 54. 69 58. 04 59. 91 65. 03 68. 36 68. 43 72. 80	0.82 1.03 1.32 1.37 1.43 1.44 1.51 1.61 1.67	1,769 2,353 2,861 3,117 3,259 3,237 3,434 3,647 3,757 3,841	41.09 47.68 59.77 63.60 64.74 64.82 70.87 74.79 74.09 78.86	0.90 1.11 1.42 1.49 1.53 1.54 1.64 1.63	1,031 1,520 1,848 2,039 2,102 2,133 2,191 2,217 2,374 2,347	23.96 30.80 38.59 41.62 41.73 42.69 45.18 45.47 46.85 48.19	0.57 0.75 0.98 1.03 1.08 1.07 1.11 1.14 1.20
Leather products: 1946 1949 1951 1952 1953 1954 1955 1956 1957 1958	1,192 1,528 1,684 1,890 1,928 1,958 2,033 2,156 2,251 2,337	25.03 30.84 33.61 38.38 37.90 37.87 42.04 43.37 43.18 45.82	0.59 0.77 0.89 0.94 0.98 1.00 1.04 1.07	1,421 1,807 1,992 2,218 2,310 2,306 2,417 2,567 2,698 2,792	29.85 36.39 39.71 46.04 45.27 44.48 50.00 51.92 52.00 54.95	0.68 0.88 1.03 1.09 1.14 1.15 1.20 1.24 1.31	863 1,131 1,251 1,371 1,437 1,492 1,525 1,635 1,689 1,773	18. 11 22. 77 24. 95 28. 45 28. 18 28. 78 31. 54 33. 06 32. 54 34. 88	0.45 0.59 0.69 0.72 0.77 0.79 0.81 0.85 0.89

TABLE 37. Average Annual, Weekly and Hourly Earnings, of Production Workers in the Manufacturing Industries, by industrial Groups, 1946-58 - Continued

Group and year	All p	roduction w	orkers		Male worker	s	F	emale worke	ers
Group and year	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
Textile products (except clothing): 1946 1949 1951 1952 1953 1954 1955 1956 1957	1, 271 1, 830 2, 046 2, 223 2, 278 2, 348 2, 423 2, 423 2, 491 2, 590 2, 633	24. 13 36. 93 40. 00 45. 68 44. 20 47. 43 48. 36 50. 53 51. 51 53. 20	0.55 0.83 0.99 1.05 1.08 1.10 1.11 1.17 1.24 1.27	1, 453 2, 068 2, 292 2, 477 2, 545 2, 629 2, 702 2, 897 2, 891 2, 943	28, 33 41, 67 44, 81 50, 73 49, 28 52, 93 54, 21 56, 89 57, 36 59, 40	0.61 0.90 1.07 1.14 1.17 1.20 1.20 1.27 1.33 1.37	1,019 1,458 1,627 1,788 1,825 1,861 1,905 1,951 2,053 2,057	19. 87 29. 39 31. 82 36. 63 35. 34 37. 46 38. 22 39. 53 40. 72 41. 51	0.48 0.70 0.84 0.89 0.91 0.92 0.93 0.98
Clothing, including knitting mills: 1946 1949 1951 1952 1953 1954 1955 1956 1956 1958	1, 191 1, 542 1, 691 1, 812 1, 886 1, 897 1, 940 2, 049 2, 093 2, 159	25. 38 30. 46 33. 21 37. 39 37. 15 38. 08 38. 96 41. 49 40. 62 42. 98	0.62 0.78 0.91 0.94 0.97 0.99 0.98 1.04 1.08	1,693 2,170 2,383 2,579 2,667 2,655 2,725 2,915 2,927 3,023	34.54 43.31 47.14 54.06 53.33 53.79 55.56 59.78 57.35 61.01	0.77 1.04 1.22 1.27 1.31 1.33 1.41 1.44	972 1, 261 1, 380 1, 473 1, 547 1, 566 1, 613 1, 705 1, 768 1, 829	19.81 25.17 27.28 30.85 30.94 31.74 32.90 35.00 34.65 36.91	0.51 0.66 0.76 0.80 0.83 0.85 0.85 0.90 0.94
Wood products: 1946 1949 1949 1951 1952 1953 1954 1955 1956 1956 1958	1,337 1,836 2,136 2,279 2,399 2,484 2,599 2,696 2,824 2,957	30. 94 40. 40 48. 18 51. 86 53. 40 54. 52 56. 38 58. 22 59. 34 62. 25	0.69 0.92 1.12 1.18 1.22 1.26 1.30 1.35 1.42 1.45	1, 366 1, 869 2, 166 2, 312 2, 435 2, 521 2, 635 2, 734 2, 868 3, 004	31.73 41.20 48.98 52.80 54.36 55.41 57.29 59.19 60.38 63.33	0.70 0.93 1.14 1.20 1.24 1.31 1.36 1.44 1.47	904 1, 256 1, 525 1, 637 1, 717 1, 787 1, 929 2, 004 2, 056 2, 172	21. 02 27. 69 34. 47 37. 36 38. 35 39. 29 41. 94 43. 38 43. 29 45. 76	0.51 0.68 0.85 0.91 0.95 0.98 1.03 1.06 1.10
Paper products: 1946 1949 1951 1951 1952 1953 1954 1955 1956 1957	1,835 2,535 3,130 3,294 3,434 3,548 3,652 3,874 3,988 4,069	36. 97 49. 74 63. 98 64. 27 66. 85 69. 15 72. 34 76. 38 77. 43 80. 07	0.79 1.06 1.38 1.43 1.53 1.62 1.68 1.80 1.89	2,004 2,721 3,347 3,499 3,648 3,760 3,858 4,096 4,215 4,295	40. 20 53. 31 67. 87 67. 89 70. 77 72. 80 76. 26 80. 45 81. 51 84. 20	0.83 1.11 1.44 1.49 1.61 1.69 1.77 1.88 1.98	944 1,350 1,630 1,774 1,842 1,891 1,983 2,089 2,154 2,281	18. 94 26. 44 33. 05 34. 40 35. 77 36. 65 39. 17 41. 00 41. 62 44. 69	0.46 0.63 0.81 0.83 0.89 0.94 0.96 1.03 1.08
Printing, publishing and allied industries: 1946 1949 1951 1952 1953 1954 1955 1956 1956 1957	1,609 2,239 2,575 2,818 3,058 3,179 3,343 3,496 3,656 3,927	34.57 47.19 54.24 59.64 63.10 66.24 69.35 72.78 74.84 78.47	0.82 1.15 1.36 1.49 1.58 1.65 1.73 1.80 1.89	1,882 2,550 2,917 3,179 3,446 3,577 3,752 3,916 4,991 4,382	40.53 53.59 61.87 67.84 71.65 74.85 78.17 82.19 84.27 87.83	0.94 1.28 1.52 1.67 1.76 1.84 1.92 2.01 2.10 2.19	869 1, 221 1, 374 1, 500 1, 637 1, 688 1, 756 1, 848 1, 919 2, 121	18.71 25.66 29.11 32.00 34.06 35.35 36.61 38.83 39.50 42.51	0.49 0.67 0.77 0.84 0.90 0.92 0.96 1.02 1.07
Iron and steel products: 1946 1949 1951 1982 1983 1954 1955 1956 1957 1958	1, 731 2, 401 2, 833 3, 109 3, 267 3, 275 3, 501 3, 723 3, 861 3, 953	36. 87 48. 05 58. 86 63. 09 65. 02 65. 75 70. 63 74. 85 75. 55 79. 45	0.82 1.10 1.39 1.47 1.54 1.58 1.66 1.76 1.86	1,940 2,445 2,886 3,159 3,322 3,330 3,558 3,785 3,921 4,017	37. 89 48. 94 59. 95 64. 05 66. 10 66. 82 71. 76 76. 08 76. 75 80. 66	0.84 1.12 1.40 1.49 1.57 1.60 1.68 1.79 1.88	1,133 1,597 1,885 2,088 2,222 2,258 2,359 2,359 2,572 2,679	22. 11 31. 96 39. 16 42. 35 44. 20 45. 33 47. 59 49. 05 50. 32 53. 84	0.53 0.77 0.98 1.06 1.12 1.17 1.19 1.25 1.32
Transportation equipment: 1946 1949 1949 1951 1952 1953 1954 1955 1956 1956 1957	1,897 2,465 2,867 3,095 3,406 3,390 3,488 3,683 3,812 4,066	39. 85 50. 54 58. 18 64. 13 65. 45 67. 74 67. 82 72. 75 75. 59 77. 35	0.94 1.18 1.38 1.52 1.57 1.64 1.67 1.78 1.88	1, 921 2, 494 2, 895 3, 127 3, 438 3, 419 3, 523 3, 718 3, 848 4, 102	40. 45 51. 08 58. 66 64. 66 66. 11 68. 37 68. 45 73. 43 76. 31 78. 11	0.95 1.19 1.39 1.53 1.65 1.65 1.69 1.90	1, 187 1, 706 2, 096 2, 201 2, 444 2, 523 2, 537 2, 703 2, 728 2, 978	24.99 34.93 42.45 45.51 47.00 50.46 49.28 53.40 54.09 56.74	0.62 0.88 1.10 1.18 1.23 1.32 1.32 1.46 1.46

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-58 — Concluded

	by Indus	strial Gro	ıps, 1946	- 58 — Coi	ncluded				
Craus and year	All pr	oduction wo	orkers	N	Male workers	;	Fe	male worker	rs .
Group and year	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
Non-ferrous metal products: 1946	1,713 2,419 2,866 3,131 3,277 3,417 3,557 3,737 3,939 4,083	35. 51 48. 26 57. 56 62. 35 64. 43 66. 61 70. 02 72. 51 77. 14 77. 53	0, 81 1, 199 1, 38 1, 48 1, 55 1, 60 1, 67 1, 74 1, 88 1, 94	1,833 2,521 2,979 3,250 3,399 3,533 3,678 3,859 4,072 4,222	37. 78 50. 26 59. 68 64. 52 66. 59 68. 75 72. 41 74. 82 79. 79 80, 28	0, 85 1, 13 1, 42 1, 53 1, 60 1, 64 1, 72 1, 79 1, 94 2, 01	1, 014 1, 437 1, 618 1, 771 1, 852 1, 986 2, 041 2, 024 2, 242	20, 90 28, 63 32, 40 35, 18 36, 30 37, 43 39, 13 39, 57 39, 68 42, 65	0, 51 0, 69 0, 81 0, 86 0, 91 0, 94 0, 96 0, 98 1, 02 1, 05
Electrical apparatus and supplies: 1946	1,523 2,288 2,673 2,929 2,994 3,150 3,169 3,406 3,508 3,697	32. 39 46. 10 56. 03 59. 28 60. 65 60. 62 63. 35 67. 73 67. 11 70. 37	0.77 1.10 1.35 1.41 1.45 1.48 1.50 1.62 1.66	1,711 2,493 2,932 3,181 3,298 3,450 3,529 3,786 3,882 4,081	36. 34 50. 38 61. 24 64. 59 67. 24 66. 81 71. 75 75. 52 74. 57 77. 93	0.85 1.18 1.44 1.51 1.58 1.61 1.65 1.77 1.81 1.88	1, 148 1, 740 1, 982 2, 201 2, 259 2, 415 2, 368 2, 503 2, 578 2, 791	24. 38 35. 18 41. 41 44. 67 46. 05 46. 75 48. 15 49. 89 49. 52 53. 34	0. 61 0. 87 1. 07 1. 11 1. 15 1. 18 1. 20 1. 27 1. 29 1. 35
Non-metallic mineral products: 1946. 1949. 1951. 1952. 1953. 1954. 1955. 1956. 1957.	1,547 2,193 2,616 2,842 2,990 3,125 3,198 3,413 3,550 3,745	32. 78 45. 22 54. 77 58. 27 60. 28 64. 03 66. 44 69. 08 70. 36 74. 83	0.71 0.98 1.22 1.29 1.36 1.43 1.48 1.56 1.63	1, 614 2, 252 2, 699 2, 931 3, 084 3, 205 3, 271 3, 484 3, 628 3, 827	34, 11 46, 45 56, 31 60, 20 62, 26 65, 57 68, 06 70, 61 72, 16 76, 72	0.73 1.00 1.24 1.32 1.39 1.46 1.50 1.59 1.66	1, 039 1, 540 1, 646 1, 750 1, 884 2, 045 2, 113 2, 310 2, 322 2, 465	21. 97 31. 10 34. 33 35. 94 38. 03 41. 84 43. 97 46. 83 46. 18 49. 44	0. 52 0. 74 0. 85 0. 89 0. 93 1. 03 1. 17 1. 19 1. 24
Products of petroleum and coal: 1946. 1949. 1951. 1952. 1953. 1954. 1955. 1956. 1956.	1,891 2,602 3,172 3,595 3,729 3,811 3,964 4,280 4,741 4,834	37. 88 52. 54 67. 15 72. 33 76. 96 78. 58 81. 44 83. 83 92. 48 92. 83	0. 90 1. 25 1. 62 1. 74 1. 85 1. 89 1. 96 2. 07 2. 23 2. 28	1,898 2,613 3,181 3,607 3,739 3,821 3,974 4,292 4,754 4,846	38. 01 52. 58 67. 32 72. 50 77. 17 78. 78 81. 71 84. 21 92. 86 93. 16	0.91 1.26 1.63 1.75 1.85 1.89 1.97 2.07 2.24 2.28	1, 044 1, 435 1, 750 1, 984 2, 056 2, 102 2, 186 2, 365 2, 615 2, 670	-	
Chemicals and allied products: 1946	1, 564 2, 194 2, 612 2, 827 2, 995 3, 090 3, 217 3, 383 3, 644 3, 822	32, 46 43, 28 52, 78 56, 56 58, 72 60, 44 63, 20 67, 08 71, 61 74, 54	0. 73 0. 98 1. 24 1. 34 1. 39 1. 46 1. 52 1. 62 1. 75 1. 81	1,773 2,404 2,845 3,073 3,255 3,345 3,478 3,650 3,937 4,131	35. 97 47. 40 57. 03 61. 20 63. 57 65. 46 68. 31 72. 19 76. 96 80. 46	0.79 1.05 1.32 1.43 1.48 1.56 1.63 1.72 1.86	954 1, 334 1, 579 1, 718 1, 823 1, 920 1, 994 2, 110 2, 197 2, 301	19. 35 26. 32 31. 64 34. 21 35. 63 37. 56 39. 23 41. 70 42. 92 44. 78	0.47 0.65 0.80 0.86 0.90 0.96 1.00 1.11
Miscellaneous industries: 1946 1949 1951 1952 1953 1954 1955 1956 1957 1958	1, 291 1, 718 2, 063 2, 186 2, 343 2, 455 2, 489 2, 648 2, 737 2, 865	26. 94 35. 14 41. 63 44. 05 47. 47 48. 74 49. 76 52. 06 53. 77 57. 36	0. 63 0. 82 1. 00 1. 04 1. 12 1. 16 1. 17 1. 22 1. 31	1,600 2,006 2,411 2,574 2,760 2,884 2,930 3,118 3,203 3,329	30. 91 41. 38 48. 93 52. 98 56. 37 57. 31 59. 57 62. 73 63. 81 67. 28	0. 70 0. 93 1, 13 1. 20 1. 29 1. 33 1. 35 1. 43 1. 51	1,006 1,292 1,529 1,555 1,673 1,742 1,735 1,852 1,935 2,047	19, 43 26, 66 31, 01 32, 00 34, 17 34, 64 35, 29 37, 26 38, 54 41, 39	0. 47 0. 66 0. 79 0. 80 0. 85 0. 86 0. 87 0. 92 0. 98 1. 02

Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees. — Annual earnings of male office employees in 1958 averaged \$5,549, weekly earnings \$108.38 and hourly earnings \$2.79. For female office employees annual earnings averaged \$2,769, weekly earnings \$54.07 and hourly earnings \$1.44. Average annual earnings of all office employees totalled \$4,773 in 1958, an increase of 68 p.c. since 1949. Weekly earnings at \$93.74 were 71 p.c. higher and hourly earnings at \$2.43 were 77 p.c. higher. There were only two groups in 1958 with average weekly earnings for male office

employees exceeding \$125. These two groups were products of petroleum and coal with \$134.83 and paper products with \$126.68. In eleven other groups weekly earnings averaged between \$100 and \$125 and in the remaining four, weekly earnings of male office employees averaged below \$100. In this category, the leather products group had the lowest average of \$87.98, followed by clothing and knitting mills with \$94.82, foods and beverages \$95.84 and wood products \$97.23.

In the case of female office employees there were only two groups with average weekly earnings of \$60. or more. These were products of petroleum and coal with \$63.91 and tobacco and tobacco products with \$62.20. In five other groups average weekly earnings of female office employees averaged between \$55 and \$60, in seven other groups they were between \$50 and \$55 and in the remaining three they were below \$50. Just as in the case of male office employees, female office

employees of the leather products group also received the lowest weekly salary of \$45. Textiles reported the second lowest weekly salary of \$49.84, with food products a close third with \$49.86.

The following table gives weekly and hourly earnings of male and female office employees for each province and major industrial group for the year 1958.

Average Weekly and Hourly Earnings of Male and Female Administrative and Office Employees by Provinces and Industrial Groups, 1958

Province and industrial group	Male ear	nings	Female ea	rnings
A to those and industrial gloup	Weekly	Hourly	Weekly	Hourly
		dolla	rs	
Province	1	1		
Newfoundland	94. 91	2. 27	44. 82	1.1
Prince Edward Island	76.33	1. 77	35.04	0. 8
Nova Scotia	95.28	2. 36	42.67	1. :
New Brunswick	87. 38	2. 13	42.67	1.
Quebec	106.18	2.74	53.83	1.4
Ontario	111.44	2. 88	55. 16	1.4
Manitoba	93.07	2,39	46.44	1.5
Saskatchewan	90.92	2, 33	49.83	1.3
Alberta	103.01	2.57	51.90	1.3
British Columbia	113.14	2.91	55.34	1.4
Canada	108. 38	2. 79	54. 07	1.
Industrial group				
Poods and beverages	95.84	2. 41	51.59	1.3
Cobacco and tobacco products	111.40	2, 94	62. 20	1.6
Rubber products	103.39	2, 66	52.40	1. 3
eather products	87.98	2. 23	45.00	1. :
Cextile products (except clothing)	100.83	2. 58	49.84	1.3
Clothing, including knitting mills	94. 82	2.37	51.05	1. 3
/ood products	97. 23	2.38	49.86	1.3
Paper products	126.68	3.38	57.64	1.5
rinting, publishing and allied industries	101.61	2.72	52. 10	1.4
ron and steel products	108.78	2.80	53.57	1.4
ransportation equipment	112.24	2.85	59.15	1.5
on-ferrous metal products	119. 18	3.11	56.06	1.5
Electrical apparatus and supplies	109.36	2.82	55.74	1.4
on-metallic mineral products	104.64	2.69	52.84	1, 4
roducts of petroleum and coal	134. 83	3,69	63.91	1.7
Chemicals and allied products	115, 96	3, 05	56, 89	1.5
fiscellaneous industries	104.68	2, 73	52, 01	1. 3

TABLE 38. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries. 1946-581

	IVI SE II	uracturin	gilluusui	cs, 1340 -	30				
Year	Al	l employee	s	M	ale employe	es	Female employees		
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
					dollars				
1946 1947 1948	2, 270 2, 484 2, 687 2, 836	43.85 49.78 52.91 54.85	1.07 1.23 1.31 1.37	2,680 2,933 3,147 3,317	53.21 60.21 63.47 65.37	1. 27 1. 46 1. 54 1. 60	1,305 1,396 1,551 1,655	25. 91 28. 68 31. 26 32. 62	0.66 0.74 0.81 0.85
1950 1951 1952 1953	2,998 3,296 3,513 3,707	58.74 65.98 70.75 73.87	1.48 1.67 1.80 1.89	3,507 3,852 3,985 4,327	69.35 77.55 82.60 86.43	1.73 1.94 2.07 2.19	1,739 1,907 2,323 2,159	34.38 38.42 41.26 43.13	0.90 1.01 1.09 1.14
1954 1955 1956 1957 1957	3,854 3,990 4,222 4,471 4,773	77. 81 80. 57 85. 23 89. 92 93. 74	2.00 2.06 2.19 2.33 2.43	4, 499 4, 636 4, 918 5, 205 5, 549	90. 99 93. 50 99. 05 104. 63 108. 38	2.31 2.36 2.51 2.68 2.79	2, 227 2, 332 2, 449 2, 576 2, 769	45.00 47.02 49.31 51.84 54.07	1. 19 1. 24 1. 30 1. 38 1. 44

¹ Statistics on weekly and hourly earnings are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over. For 1946 and 1947 they refer to the last week in November and for 1948 to 1957 to the last week in Cotober. Annual earnings are calculated. See text on pages 80 and 81.

TABLE 39. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Provinces, 1946-58

		ll employee			le employee	es	Fen	nale employ	ees
Year and province	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
Newfoundland: 1950 1951 1952 1953 1954 1955 1956 1956 1957 1958	1,921 2,383 2,345 2,403 2,687 2,793 3,052 3,031 3,238	54.95 62.04 62.62 68.54 71.39 73.59 77.97 85.90 85.87	1. 29 1. 44 1. 47 1. 64 1. 75 1. 78 1. 91 2. 16 2. 08	2,087 2,604 2,529 2,620 2,922 3,028 3,307 3,271 3,505	63. 33 70. 71 71. 47 78. 07 80. 34 81. 87 87. 32 95. 80 94. 91	1. 47 1. 63 1. 66 1. 86 1. 96 1. 97 2. 14 2. 33 2. 27	868 1,135 1,275 1,554 1,365 1,475 1,591 1,577 1,654	26.55 30.80 31.55 34.44 37.55 39.85 42.00 46.16 44.82	0.67 0.73 0.76 0.84 0.94 0.98 1.04 1.18
Prince Edward Island: 1950 1951 1952 1952 1953 1954 1955 1956 1957	1,571 1,715 1,909 2,009 1,990 2,115 2,261 2,307 2,500	40.35 46.90 49.63 53.69 50.04 55.82 54.90 65.95 67.74	0.98 1.08 1.20 1.33 1.24 1.36 1.35 1.57	1,747 1,918 2,117 2,260 2,241 2,358 2,562 2,618 2,818	48. 55 55. 98 59. 33 64. 81 58. 50 65. 59 66. 64 74. 79 76. 33	1. 19 1. 26 1. 42 1. 58 1. 43 1. 59 1. 62 1. 78 1. 77	896 917 1,050 1,087 1,172 1,221 1,196 1,212 1,293	24.92 26.75 29.40 31.15 30.60 33.96 31.11 34.66 35.04	0.61 0.65 0.72 0.79 0.77 0.84 0.78 0.84
Nova Scotia: 1946 1949 1951 1952 1953 1954 1955 1956 1957 1958	1,788 2,179 2,500 2,653 2,775 2,861 2,993 3,267 3,384 3,639	39.89 50.47 58.43 60.30 62.82 65.91 66.43 71.00 76.14 79.60	0.93 1.25 1.40 1.43 1.55 1.62 1.75 1.91 2.05	2,020 2,455 2,821 2,936 3,122 3,228 3,372 3,729 3,883 4,147	46. 36 59. 45 67. 83 68. 54 72. 01 76. 73 76. 48 82. 64 89. 06 95. 28	1. 06 1. 45 1. 60 1. 59 1. 76 1. 84 1. 82 2. 00 2. 20 2. 36	1,026 1,169 1,329 1,691 1,539 1,498 1,669 1,764 1,794	23.54 28.29 31.95 34.74 35.48 35.64 37.88 39.06 41.16 42.67	0.58 0.71 0.80 0.87 0.91 0.92 0.99 1.02 1.09
New Brunswick: 1946 1949 1951 1952 1953 1954 1955 1956 1957 1958	1,879 2,233 2,757 2,910 3,096 3,117 3,125 3,351 3,589 3,740	40. 33 48. 42 57. 65 61. 83 62. 96 66. 18 68. 26 70. 98 74. 46 75. 00	0.93 1.13 1.38 1.49 1.54 1.64 1.69 1.74 1.87	2, 165 2, 568 3, 175 3, 258 3, 564 3, 593 3, 579 3, 820 4, 116 4, 285	48. 25 57. 64 68. 64 71. 50 73. 48 77. 96 79. 35 82. 30 87. 44 87. 38	1. 09 1. 32 1. 61 1. 69 1. 79 1. 91 1. 92 1. 98 2. 16 2. 13	1,018 1,243 1,467 1,867 1,711 1,660 1,700 1,887 1,959 2,091	22.68 27.88 31.72 35.44 35.25 35.98 37.70 40.63 41.58 42.67	0.55 0.69 0.79 0.90 0.87 0.93 0.99 1.06 1.09
Quebec: 1946 1949 1951 1952 1953 1954 1955 1956 1957	2, 298 2, 812 3, 241 3, 482 3, 670 3, 827 3, 959 4, 141 4, 407 4, 721	44. 57 54. 66 64. 67 68. 88 72. 23 76. 32 79. 25 84. 10 88. 34 92. 43	1.07 1.35 1.63 1.74 1.84 1.96 2.02 2.16 2.30 2.42	2,667 3,256 3,769 3,929 4,260 4,432 4,578 4,790 5,100 5,470	53. 30 64. 41 75. 77 79. 92 84. 12 88. 64 91. 26 96. 89 102. 24 106. 18	1. 25 1. 57 1. 88 2. 00 2. 12 2. 25 2. 30 2. 46 2. 64 2. 74	1,334 1.670 1,858 2,310 2,143 2,243 2,344 2,443 2,576 2,773	26.63 33.05 37.32 40.52 42.33 44.83 46.74 49.40 51.59 53.83	0.67 0.85 0.98 1.06 1.12 1.19 1.23 1.31 1.38
Ontario: 1946 1949 1951 1952 1953 1954 1955 1956 1957	2,356 2,990 3,489 3,691 3,892 4,030 4,156 4,413 4,651 4,971	43. 82 55. 32 67. 29 72. 73 75. 69 79. 67 82. 47 87. 14 92. 02	1. 08 1. 39 1. 73 1. 87 1. 96 2. 05 2. 13 2. 25 2. 39 2. 49	2,849 3,563 4,135 4,236 4,609 4,774 4,885 5,200 5,469 5,831	54. 19 66. 81 79. 67 85. 77 89. 28 93. 91 96. 52 102. 19 107. 75 111. 44	1. 31 1. 65 2. 02 2. 17 2. 28 2. 40 2. 46 2. 61 2. 77 2. 88	1, 359 1, 746 2, 051 2, 461 2, 281 2, 334 2, 433 2, 553 2, 685 2, 886	25. 87 32. 74 39. 49 42. 24 44. 23 45. 88 48. 03 50. 18 52. 91 55. 16	0.66 0.86 1.04 1.12 1.18 1.22 1.27 1.33 1.41
Manitoba: 1946 1949 1951 1952 1953 1954 1955 1956 1957	2,090 2,729 3,050 3,219 3,525 3,632 3,797 3,965 4,168	41. 46 52. 98 60. 57 64. 14 66. 35 68. 30 70. 57 73. 17 76. 85 81. 25	0.97 1.28 1.50 1.61 1.66 1.74 1.78 1.86 1.96 2.10	2,432 3,150 3,519 3,638 3,955 4,083 4,203 4,398 4,608 4,851	48. 93 62. 19 70. 20 73. 66 76. 47 79. 10 81. 04 84. 24 88. 89 93. 07	1. 13 1. 48 1. 73 1. 82 1. 90 2. 02 2. 11 2. 24 2. 39	1,182 1,534 1,756 2,114 1,966 2,050 2,114 2,190 2,304 2,421	23. 76 30. 30 35. 06 37. 27 37. 98 39. 67 40. 76 41. 95 44. 45 46. 44	0.58 0.76 0.89 0.97 0.98 1.04 1.07 1.10 1.16

TABLE 39. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Provinces, 1946-58 — Concluded

	A	ll employee	s	Ma	le employe	es	Female employees			
Year and province	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly	
					dollars					
Saskatchewan: 1946 1949 1951 1952 1953 1954 1955 1956 1956 1957	1,654 2,085 2,444 2,605 2,809 2,925 3,065 3,358 3,641 3,668	38.78 45.18 56.35 58.08 61.30 63.96 66.24 69.51 75.74 79.17	0.90 1.07 1.36 1.40 1.51 1.58 1.64 1.73 1.92 2.04	1,882 2,364 2,764 2,871 3,167 3,305 3,472 3,817 4,149 4,156	46.10 53.23 64.97 67.22 71.66 74.68 76.35 79.64 88.61 90.92	1. 06 1. 25 1. 56 1. 60 1. 74 1. 88 1. 97 2. 23 2. 33	988 1,300 1,584 1,883 1,774 1,844 1,951 2,160 2,224 2,277	24.20 29.30 37.25 38.11 40.16 41.65 42.88 45.07 47.50 49.83	0.59 0.71 0.91 0.95 1.02 1.04 1.08 1.14 1.23	
Alberta: 1946 1949 1951 1952 1953 1964 1955 1956 1956	1,812 2,311 2,558 2,888 3,081 3,240 3,313 3,672 4,033 4,281	39.34 51.80 62.06 67.20 69.93 74.38 75.60 80.71 86.65 91.13	0.92 1.23 1.50 1.66 1.75 1.85 1.90 2.02 2.22	2,065 2,610 2,870 3,183 3,484 3,685 3,755 4,161 4,593 4,886	46.30 60.06 71.12 76.73 79.64 85.34 86.18 91.71 98.54 103.01	1. 06 1. 40 1. 71 1. 88 1. 97 2. 11 2. 13 2. 28 2. 48 2. 57	1,055 1,334 1,487 1,919 1,840 1,857 1,900 2,122 2,352 2,463	23.66 30.72 36.86 40.55 42.05 43.04 43.61 46.77 50.50 51.90	0.57 0.76 0.92 1.03 1.08 1.10 1.13 1.20 1.32	
British Columbia: 1946 1949 1951 1952 1953 1954 1955 1956 1957 1958	2,200 2,758 3,174 3,414 3,609 3,796 4,079 4,265 4,576 4,837	46.59 57.91 71.10 74.54 78.41 81.81 85.00 89.54 93.93 99.75	1. 11 1. 43 1. 78 1. 88 1. 99 2. 08 2. 16 2. 28 2. 43 2. 58	2,499 3,133 3,606 3,785 4,075 4,305 4,618 4,900 5,223 5,520	54.10 66.92 81.66 84.76 89.70 93.83 97.12 102.47 107.62 113.14	1. 28 1. 64 2. 03 2. 12 2. 26 2. 36 2. 44 2. 60 2. 77 2. 91	1, 264 1,579 1,767 2,131 1,993 2,075 2,258 2,372 2,512 2,699	27. 36 33. 73 40. 03 42. 00 43. 84 45. 22 47. 53 49. 61 51. 79 55. 34	0.67 0.85 1.02 1.10 1.14 1.18 1.24 1.30 1.36	

TABLE 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-58

	itacturing	III di di Serie	o, by mina							
	A	ll employee	S	Ma	ale employe	es	Female employees			
Year and group	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly	
					dollars					
Foods and beverages: 1946 1949 1949 1951 1952 1953 1954 1955 1956 1956 1957 1958	1,990 2,518 2,941 3,103 3,325 3,476 3,566 3,722 3,914 4,200	41.33 52.31 61.78 64.68 68.37 70.78 73.42 76.93 81.45 84.12	0.98 1.27 1.53 1.60 1.71 1.78 1.84 1.93 2.09 2.15	2,314 2,930 3,406 3,500 3,856 4,027 4,119 4,307 4,549 4,861	49.90 62.27 71.15 73.74 78.32 81.40 83.50 87.51 93.85 95.84	1.16 1.48 1.73 1.79 1.93 2.03 2.06 2.17 2.38 2.41	1,141 1,490 1,785 2,145 2,044 2,122 2,204 2,317 2,397 2,615	24.62 31.64 37.29 39.65 41.55 42.87 44.67 47.08 49.48 51.59	0.61 0.80 0.95 1.03 1.08 1.12 1.17 1.23 1.31	
Tobacco and tobacco products: 1946 1949 1951 1951 1952 1953 1954 1955 1956 1956 1957	2,371 3,109 3,665 3,922 4,351 4,565 4,732 4,954 5,166 5,532	39.94 54.17 66.73 68.33 73.72 79.50 84.12 85.50 94.84 94.54	0.97 1.35 1.79 1.82 1.98 2.11 2.23 2.26 2.52 2.50	2,913 3,667 4,390 4,408 5,149 5,410 5,556 5,840 6,080 6,560	51. 45 65. 26 78. 21 78. 96 86. 27 93. 84 98. 20 101. 57 112. 78 111. 40	1. 22 1. 61 2. 09 2. 31 2. 48 2. 58 2. 68 2. 99 2. 94	1,424 2,057 2,379 3,055 2,930 3,078 3,211 3,230 3,411 3,660	25.17 36.63 42.41 47.34 49.05 53.44 56.74 56.19 63.24 62.20	0.62 0.93 1.15 1.27 1.32 1.44 1.52 1.49 1.70	
Rubber products: 1946 1949 1951 1952 1953 1954 1956 1956 1957 1958	2, 289 2, 974 3, 361 3, 572 3, 632 3, 977 4, 056 4, 231 4, 638 4, 679	44.97 53.70 63.90 67.63 71.04 74.07 75.13 79.77 83.04 88.46	1. 11 1. 37 1. 67 1. 75 1. 83 1. 89 1. 93 2. 06 2. 11 2. 31	2,776 3,491 3,926 3,999 4,210 4,630 4,732 4,946 5,426 5,451	54. 64 63. 53 74. 59 78. 53 82. 25 85. 57 86. 67 92. 31 95. 90 103. 39	1. 34 1.60 1.94 2.01 2.10 2.17 2.21 2.36 2.42 2.66	1,280 1,697 1,967 2,415 2,143 2,371 2,399 2,518 2,789 2,764	25. 17 30. 90 37. 40 40. 87 41. 84 43. 95 46. 94 49. 30 52. 40	0.64 0.81 0.98 1.08 1.10 1.15 1.23 1.28	

TABLE 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-1958 — Continued

	A	all employee	s	M	ale employe	es	Fe	male emplo	yees
Year and group	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
		1	L	<u></u>	dollars				
Leather products: 1946 1949 1951 1952 1953 1954 1955 1956 1956 1957 1958	2,398 3,033 3,264 3,396 3,623 3,674 3,782 3,943 4,207 4,452	37.93 48.95 56.30 58.74 61.71 64.44 66.17 68.91 73.62 73.76	0.88 1.18 1.40 1.45 1.55 1.63 1.66 1.74 1.88	2,795 3,533 3,795 3,864 4,256 4,339 4,473 4,662 5,029 5,331	45.12 57.94 66.47 69.22 73.25 77.23 78.49 81.65 88.85 87.98	1.01 1.36 1.61 1.68 1.80 1.91 1.92 2.02 2.22 2.23	1,465 1,819 1,958 2,326 2,162 2,187 2,268 2,401 2,494 2,724	23.66 29.86 34.33 35.35 37.24 38.96 39.81 42.06 44.03 45.00	0.59 0.76 0.90 0.92 0.98 1.03 1.05 1.11 1.19
Textile products (except clothing): 1946 1949 1951 1952 1953 1954 1955 1956 1957	2,675 3,199 3,655 3,700 3,827 3,951 4,027 4,209 4,402 4,637	48.08 53.69 65.41 68.65 70.73 72.94 75.10 78.29 82.62 85.27	1. 16 1. 31 1. 64 1. 74 1. 78 1. 86 2. 00 2. 14 2. 21	3,338 3,884 4,465 4,313 4,635 4,796 4,874 5,070 5,305 5,574	59.30 65.47 79.67 82.79 84.77 88.28 88.74 92.79 98.82 100.83	1.39 1.56 1.97 2.07 2.09 2.21 2.17 2.34 2.52 2.58	1,522 1,864 2,063 2,480 2,234 2,269 2,354 2,454 2,454 2,562 2,754	27.07 31.46 36.78 39.50 40.87 41.80 42.83 44.89 47.73 49.84	0.69 0.80 0.96 1.03 1.07 1.10 1.12 1.19 1.27
Clothing including knitting mills: 1946 1949 1951 1952 1953 1954 1955 1956 1957	2,580 3,132 3,375 3,561 3,674 3,763 3,859 4,103 4,372 4,524	38.00 48.04 57.54 60.73 62.41 66.24 66.94 69.75 74.32 76.59	0.92 1.18 1.46 1.54 1.58 1.68 1.68 1.77 1.91	3, 124 3, 817 4, 157 4, 136 4, 541 4, 662 4, 742 5, 066 5, 424 5, 559	47.65 60.25 72.45 76.11 78.81 84.43 83.18 87.29 94.45 94.82	1. 12 1. 45 1. 79 1. 89 1. 94 2. 09 2. 04 2. 16 2. 36 2. 37	1,646 2,031 2,116 2,639 2,316 2,308 2,471 2,634 2,755 2,991	25. 13 32. 08 36. 85 38. 74 40. 18 41. 82 43. 34 45. 38 48. 00 51. 05	0.63 0.82 0.96 1.01 1.05 1.10 1.12 1.19 1.28
Wood products: 1946 1949 1951 1952 1953 1954 1955 1956 1956 1957	1,419 1,905 2,250 2,366 2,534 2,597 2,879 3,140 3,261 3,484	42.65 54.15 64.48 67.77 71.35 74.01 76.34 78.87 83.01 86.00	0.98 1.28 1.55 1.63 1.73 1.81 1.87 1.93 2.07 2.14	1,527 2,038 2,407 2,505 2,717 2,788 3,094 3,396 3,539 3,786	50.08 62.56 74.34 77.06 81.52 84.81 86.58 89.31 94.69 97.23	1.11 1.44 1.75 1.81 1.94 2.03 2.07 2.15 2.32 2.38	760 1,015 1,204 1,435 1,342 1,374 1,572 1,715 1,762 1,942	24.92 31.14 37.16 38.83 40.28 41.79 44.02 45.06 47.13 49.86	0.62 0.79 0.96 1.01 1.05 1.09 1.15 1.18 1.25
Paper products: 1946 1949 1951 1952 1953 1954 1955 1956 1956 1957 1958	2,831 3,679 4,338 4,618 4,808 4,950 5,046 5,276 5,511 5,814	52.29 65.57 79.57 83.19 87.68 93.19 95.20 101.05 107.34 109.48	1. 28 1. 64 2. 05 2. 17 2. 31 2. 47 2. 53 2. 69 2. 87 2. 94	3,374 4,354 5,147 5,318 5,693 5,863 5,985 6,243 6,482 6,792	62.49 77.41 93.92 97.11 102.39 109.16 111.47 117.86 124.63 126.68	1.50 1.92 2.39 2.51 2.67 2.88 2.93 3.13 3.31 3.38	1,481 1,964 2,224 2,803 2,550 2,663 2,809 2,943 3,090	27. 45 34. 88 40.60 43. 80 45. 92 48. 45 49. 55 53. 03 56. 60 57. 64	0.70 0.91 1.07 1.17 1.24 1.31 1.34 1.44 1.54
Printing, publishing and allied industries: 1946 1949 1951 1952 1953 1954 1955 1956 1956 1957	2,084 2,368 2,749 3,003 3,142 3,258 3,412 3,544 3,717 4,077	37.07 46.55 57.20 61.13 63.88 67.30 68.54 74.50 77.86 82.32	0.93 1.20 1.50 1.61 1.71 1.79 1.82 2.00 2.07 2.21	2,479 2,879 3,352 3,498 3,840 4,029 4,179 4,359 4,577 5,061	45.76 57.12 69.61 74.67 78.01 83.19 84.02 91.91 95.81 101.61	1, 13 1, 46 1, 81 1, 97 2, 09 2, 20 2, 22 2, 45 2, 53 2, 72	1,316 1,526 1,773 2,200 2,016 2,043 2,181 2,214 2,353 2,596	24.30 30.30 36.83 38.48 40.95 42.14 43.84 46.72 49.20 52.10	0.62 0.80 0.97 1.02 1.11 1.13 1.18 1.26 1.32
Iron and steel products: 1946 1949 1951 1951 1952 1953 1954 1955 1956 1957	2,429 3,095 3,635 3,879 3,993 4,212 4,274 4,497 4,749 5,025	50, 14 55, 77 67, 65 71, 71 74, 88 76, 30 81, 53 86, 51 91, 31 95, 77	1. 23 1. 40 1. 73 1. 83 1. 93 2. 01 2. 10 2. 23 2. 37 2. 48	2,891 3,574 4,195 4,369 4,598 4,815 4,891 5,172 5,438 5,753	52.88 65.17 78.15 82.53 86.02 89.57 93.18 99.50 104.50 108.78	1. 27 1. 62 1. 97 2. 09 2. 19 2. 29 2. 38 2. 54 2. 69 2. 80	1, 391 1, 762 2, 056 2, 473 2, 285 2, 412 2, 455 2, 455 2, 675 2, 830	25. 43 32. 13 38. 30 40. 62 42. 71 44. 88 46. 77 48. 75 51. 37 53. 57	0,65 0,84 1,01 1,07 1,14 1,19 1,24 1,29 1,36 1,42

TABLE 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-59 — Concluded

Manufacturi		l employees			le employee		Female employees			
Year and group	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly	
Transportation equipment: 1946 1949 1951 1952 1953 1954 1955 1956 1956 1957	2,574 3,277 3,733 3,909 4,301 4,351 4,553 4,744 4,987 5,338	50. 14 62. 04 71. 39 77. 61 79. 43 84. 40 87. 76 92. 25 96. 11 101. 25	1.19 1.50 1.74 1.86 1.99 2.09 2.18 2.30 2.43 2.58	2,981 3,713 4,214 4,346 4,876 4,954 5,074 5,292 5,559 5,919	57. 95 71. 01 80. 85 87. 79 90. 20 95. 28 98. 30 103. 42 107. 45 112. 24	1. 35 1. 70 1. 96 2. 07 2. 24 2. 34 2. 55 2. 69 2. 85	1,446 1,827 2,162 2,516 2,482 2,507 2,633 2,752 2,885 3,119	28. 08 34. 95 41. 51 44. 92 45. 93 48. 22 50. 98 53. 81 55. 81 59. 15	0. 69 0. 87 1. 04 1. 15 1. 18 1. 24 1. 30 1. 38 1. 45 1. 54	
Non-ferrous metal products: 1946	4,336	47.22 60.25 73.63 78.70 80.30 85.75 86.55 91.28 99.83 105.18	1.14 1.47 1.86 2.02 2.04 2.21 2.24 2.38 2.63 2.76	3,061 3,776 4,188 4,402 4,693 4,994 5,272 5,366 5,710 6,268	57. 07 71. 43 85. 63 90. 39 93. 16 97. 90 99. 21 104. 06 113. 43 119. 18	1. 35 1. 71 2. 13 2. 29 2. 34 2. 50 2. 54 2. 69 2. 97 3. 11	1,488 1,794 1,968 2,373 2,239 2,372 2,589 2,624 2,689 2,946	27.71 33.95 40.21 42.39 44.44 46.53 48.75 50.89 53.40	0.69 0.88 1.06 1.12 1.18 1.24 1.31 1.36 1.44	
Electrical apparatus and supplies: 1946	4,416	45. 46 55. 15 64. 82 70. 83 75. 07 78. 36 83. 39 88. 71 90. 21 95. 78	1. 15 1. 41 1. 67 1. 84 1. 95 2. 02 2. 15 2. 27 2. 33 2. 48	2,732 3,489 4,055 4,170 4,565 4,736 4,691 5,127 5,498 5,918	54. 74 64. 32 75. 51 81. 92 87. 90. 46 95. 57 102. 73 103. 91 109. 36	1.37 1.64 1.92 2.11 2.25 2.31 2.44 2.61 2.66 2.82	1,382 1,877 2,060 2,527 2,360 2,449 2,472 2,533 2,798 3,018	27. 68 34.58 38.37 42.95 45.04 46.73 50.38 50.74 52.92 55.74	0.72 0.90 1.02 1.14 1.19 1.23 1.32 1.32 1.39	
Non-mettalic mineral products: 1946	3,297 3,511 3,736 3,852 4,095 4,242 4,543	43. 29 53. 94 66. 34 71. 45 74. 31 77. 54 81. 04 85. 90 90. 08 93. 21	1. 05 1. 35 1. 69 1. 86 1. 90 2. 05 2. 20 2. 29 2. 43	3,951 4,304 4,392 4,644 4,786	50. 47 62. 87 76. 94 82. 48 85. 84 89. 31 92. 20 97. 73 102. 27 104. 64	1. 19 1. 54 1. 93 2. 12 2. 15 2. 26 2. 30 2. 47 2. 57 2. 69	1, 256 1, 635 1, 904 2, 276 2, 174 2, 214 2, 364 2, 412 2, 595 2, 722	25. 96 31. 96 38. 61 41. 15 43. 36 45. 01 46. 97 49. 22 51. 74 52. 84	0. 66 0. 85 1. 03 1. 12 1. 17 1. 21 1. 25 1. 32 1. 38 1. 44	
Products of petroleum and coal: 1946 1949 1951 1952 1953 1954 1955 1956 1957 1958	3,100 3,662 4,092 4,217 4,265 4,458 5,217 5,411	47.66 61.40 74.52 95.23 98.27 101.28 105.76 110.54 117.21	1. 21 1. 62 1. 94 2. 60 2. 64 2. 75 2. 87 3. 00 3. 19 3. 28	4,881 4,944 5,148 5,975 6,217	81. 92 108. 63 111. 87 116. 07 121. 46 126. 42 134. 46	2. 12 2. 94 2. 98 3. 14 3. 27 3. 42 3. 63	1,338 1,769 2,161 2,504 2,309 2,309 2,322 2,731 2,878 3.037	26. 33 34. 70 42. 72 51. 57 52. 95 54. 20 54. 77 57. 72 62. 30 63. 91	0.69 0.96 1.15 1.44 1.46 1.50 1.51 1.60 1.73	
Chemicals and allied products: 1946 1949 1951 1952 1952 1954 1954 1955 1956 1957 1958	2,883 3,379 3,626 3,808 4,083 4,206 4,509 4,728	54.89 66.37 71.48 74.59 79.70 82.41 87.38 93.84	1. 42 1. 72 1. 86 1. 95 2. 10 2. 15 2. 30 2. 48	3,481 4.061 4,205 4,581 4,929 5,034 5,405	67. 30 78. 79 84. 46 88. 12 94. 51 96. 63 101. 85	1.72 2.03 2.18 2.29 2.47 2.50 2.67 2.90	2,527 2,336 2,460 2,582 2,789 2,867	34. 46 40. 31 42. 95 44. 90 47. 16 49. 53 52. 51 55. 68	1.31 1.40 1.48	
Miscellaneous industries: 1946	2,816 3,246 3,436 3,733 3,681 3,900 4,076	50.47 60.89 66.57 69.21 73.34 75.26 78.66 83.07	1. 2: 1. 5' 1. 74 1. 78 1. 8: 1. 9: 2. 0: 7 2. 1'	3,435 7 3,960 3,962 4,053 4,464 4,713 4,889 7 5,245	63.44 75.50 80.66 84.11 89.72 91.55 95.04	1.54 1.88 2.04 2.14 2.27 2.29 2.44 2.60	1,700 1,925 2,413 2,027 2,210 2,338 2,484 2,591	31. 43 36. 73 40. 57 42. 08 44. 42 45. 45 48. 29 49. 89	0.84 0.99 1.13 1.11 1.19 1.21 1.29 1.34	

Office Workers and Other Salaried Employees.—A survey of weekly earnings of administrative and office employees, classified into (a) managerial and professional employees and (b) office workers, was undertaken for the first time in 1951 and repeated again in 1954 and 1957. According to Table 41 below average weekly salaries of all office and supervisory employees in 1957 averaged \$89.92. Male employees received \$104.63 and female employees \$51.84. The increase per week since 1951 for all employees totalled \$23.94, for males \$27.08 and for females \$13.42.

The average weekly salary for office workers rose in the six years from \$51.14 to \$67.98, an advance of 32.9 p.c. as compared with 36.3 p.c. for all salaried employees. The average for men classed in the office group increased by \$20.40 to \$81.08 and for women by \$13.03 to \$50.80, representing an advance of 33.6 p.c. and 34.5 p.c. respectively. The upward movement was more pronounced in the durable goods division than in non-durables. Higher earnings for office workers were

reported in 1957 as compared with 1954 in all provinces and industry groups.

The residual group of salaried employees, composed mainly of managerial, professional and related staffs and professional salesmen, comprises a varied group, the composition of which may differ from firm to firm. Its components are affected not only by varying requirements for administrative and professional personnel but also by the extent to which proprietors and firm members (excluded from the survey) undertake such duties, and by the organization of separate sales offices. The managerial and professional employees reported in 1951 averaged \$98.38 per week, the men earned \$99.73 and the women \$57.04. Six years later the averages were \$124.53 for both sexes, \$126.47 for men and \$72.24 for women. All industry groups and provinces reported higher earnings in 1957 as compared with 1954, raising the average salary for both sexes in the managerial and professional group to more than \$100 per week in all provinces and major industrial groups.

TABLE 41. Average Weekly Earnings of the Administrative and Office Employees in the Manufacturing Industries of Canada,
Classified on the basis of (a) Managerial and Professional Employees and (b) Office Workers,
by Province and Industrial Group. 1951, 1954 and 1957;

			- Cloup	0, 1951, 1	JOY AND I	331				
Province and group	All s	alaried empl	loyees	Manager	ial and prof employees	essional	Office workers			
Province and group	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	
					dollars	L				
Province, 1951										
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia	62. 04 46. 90 58. 43 57. 65 64. 67 67. 29 60. 57 56. 35 62. 06 71. 10	70.71 55.98 67.83 68.64 75.77 79.67 70.20 64.97 71.12 81.66	30, 80 26, 75 31, 95 31, 72 37, 32 39, 49 35, 06 37, 25 36, 86 40, 03	116. 20 88. 62 93. 40 99. 57 98. 81 87. 91 79. 53 89. 23 100. 95	121. 37 89. 34 93. 54 101. 30 100. 13 88. 56 79. 98 89. 66 101. 78	56. 35 57. 80 59. 14	47. 02 49. 00 44. 96 50. 04 52. 02 47. 28 44. 73 49. 32 55. 75	52. 93 57. 87 53. 97 58. 82 62. 44 55. 69 51. 31 57. 25 65. 46	30, 19	
							01.11	00,00	31.11	
Industrial group, 1951							5			
Foods and beverages Tobacco and tobacco products Rubber products Leather products Leather products Leather products Clothing, including knitting mills Wood products Paper products Paper products Paper products Iron and steel products Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	61. 78 66. 73 63. 90 55. 30 65. 41 57. 54 64. 48 79. 75. 20 67. 65 71. 39 73. 63 64. 34 74. 52 66. 34 74. 52 66. 37 60. 89	71. 15 78. 21 74. 59 66. 47 79. 67 72. 45 74. 34 93. 92 69. 61 78. 15 80. 85 85. 63 75. 51 76. 94 81. 92 78. 79 75. 50	37. 29 42. 41 37. 40 34. 33 36. 78 36. 85 37. 16 40. 60 36. 83 38. 30 41. 51 40. 21 38. 37 38. 61 42. 72 40. 31 36. 73	86. 89 87. 06 97. 48 90. 22 103. 41 95. 67 96. 70 125. 26 90. 05 101. 60 104. 15 100. 99 96. 41 97. 87 99. 87 93. 97 95. 30	87. 54 86. 56 98. 26 91. 58 105. 45 99. 62 97. 48 126. 91 93. 55 102. 32 104. 51 101. 79 97. 51 98. 31 101. 13 95. 77 97. 11	57. 65 	48. 31 56. 47 48. 40 45. 78 48. 21 44. 92 52. 56 56. 87 45. 02 53. 99 57. 79 52. 67 50. 64 56. 48 47. 81 45. 96	56. 49 70. 18 56. 32 53. 97 58. 75 55. 32 61. 33 67. 67 53. 89 63. 14 66. 15 63. 70 62. 06 59. 17 63. 15 56. 55 56. 66	36. 72 41. 53 37. 09 33. 56 36. 08 35. 55 36. 69 40. 06 35. 65 37. 94 41. 32 39. 67 37. 83 38. 24 40. 72 39. 41 36. 20	
Province, 1954										
Newfoundland Prince Edward Island. Nova Scotia Nova Scotia Quebec Ontario Manitoba Saskatchewan Alberta British Columbia	71. 39 50. 04 65. 91 66. 18 76. 32 79. 67 68. 30 63. 96 74. 38 81. 81	80. 34 58. 50 76. 73 77. 96 88. 64 93. 91 79. 10 74. 68 85. 34 93. 83	37. 55 30. 60 35. 64 35. 98 44. 83 45. 88 39. 67 41. 65 43. 04 45. 22	91. 04 96. 48 107. 42 112. 90 96. 31 85. 69 103. 37 109. 02	91. 72 97. 32 109. 13 114. 38 97. 38 86. 34 103. 80 110. 32	64. 70 66. 15 58. 43	53.32 50.52 51.71 58.24 60.58 53.52 50.57 57.01 62.40	60. 20 61. 35 62. 69 68. 80 73. 22 63. 35 60. 27 66. 81 74. 58	37.01 35.17 35.61 43.77 45.09 39.00 41.30 42.82 44.51	
Canada	77.81	90. 99	45. 00	109.67	111.14	64. 80	59, 29	70.94	44.16	

See footnotes at end of table.

TABLE 41. Average Weekly Earnings of the Administrative and Office Employees in the Manufacturing Industries of Canada,
Classified on the basis of (a) Managerial and Professional Employees and (b) Office Workers,
by Province and Industrial Group, 1951, 1954 and 19571 — Concluded

	All sa	laried emp	loyees	Manager	ial and prot employees	fessional	Office workers			
Province and group	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	
	[1	dollars				· · · · · ·	
Industrial group, 1954			a de la companya de l							
Tools and beverages Cobacco and tobacco products Lubber products Leather products Leather products (Except clothing) Clothing including knitting mills Vood products Leaper	70. 78 79. 50 74. 07 64. 44 72. 94 66. 24 74. 01 93. 19 67. 30 84. 40 85. 75 78. 36 77. 54 101. 28 79. 70	81. 40 93. 84 85. 57 77. 23 88. 28 84. 43 84. 81 109. 16 83. 19 89. 57 95. 28 97. 90 90. 46 89. 31 116. 07 94. 51 89. 72	42.87 53.44 43.80 38.96 41.82 41.79 48.45 42.14 44.88 48.22 46.73 45.01 54.20 47.16 44.42	93, 93 105, 52 107, 27 92, 00 107, 28 96, 56 101, 31 135, 11 105, 92 111, 19 119, 86 113, 05 111, 58 109, 49 138, 05 107, 44 105, 69	94.68 106.59 107.27 95.04 108.96 102.45 101.97 136.86 108.44 111.81 120.40 114.06 112.43 110.18 142.07 108.94	59. 38 51. 60 60. 52 55. 94 59. 23 67. 64 67. 79 71. 21 61. 79 71. 90 74. 81 71. 72 62. 80	54, 81 57, 85 55, 75 49, 26 51, 19 48, 30 56, 42 51, 68 60, 52 69, 64 64, 44 58, 33 61, 61 56, 30 54, 06	65.06 68.31 64.87 59.70 62.10 60.88 66.58 70.42 80.01 77.08 74.58 68.28 68.28 76.59 68.97	42.3 51.0 43.2 40.9 40.0 41.3 47.7 40.9 44.4 47.9 45.9 45.9 45.9 45.1 1	
Province, 1957										
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontarlo Manitoba Saskatchewan Alberta British Columbia	85. 90 63. 27 76. 14 74. 46 88. 34 92. 02 76. 85 75. 74 86. 65 93. 93	95. 80 74. 79 89. 06 87. 44 102. 24 107. 75 88. 89 88. 61 98. 54 107. 62	46.16 34.66 41.16 41.58 51.59 52.91 44.45 47.50 50.50 51.79	116.66 103.77 108.54 123.44 127.90 102.74 102.38 114.94 123.64	118. 09 104. 87 110. 19 125. 91 129. 70 104. 91 104. 35 116. 66 124. 56	71. 15 75. 16 52. 88 61. 89 79. 64	69. 02 57. 79 58. 28 67. 12 69. 19 59. 66 57. 67 64. 97 72. 11	78.84 	45. 6 40. 7 40. 9 50. 4 51. 8 47. 1 49. 8 50. 7	
Canada	89. 92	104.63	51, 84	124.53	126.47	72. 24	67.98	81. 08	50. 8	
Industrial group, 1957										
Poods and beverages Pobacco and tobacco products Rubber products Leather products Leather products Pextile products (except clothing). Plothing including knitting mills Products (except clothing). Printing, publishing and allied industries Printing, products Pransportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Themicals and allied products Miscellaneous industries	81. 45 94. 84 83. 04 73. 62 82. 62 74. 32 83. 01 107. 34 91. 31 96. 11 99. 21 90. 08 117. 21 93. 84 83. 07	93. 85 112. 78 95. 90 88. 85 98. 82 94. 45 94. 69 124. 63 95. 81 104. 50 107. 45 113. 43 103. 91 102. 27 134. 46 109. 75	49. 48 63. 24 49. 30 44. 03 47. 73 48. 00 47. 13 56. 60 49. 20 51. 37 55. 81 52. 92 51. 74 62. 30 55. 68	106. 28 119. 38 115. 74 106. 64 116. 94 107. 17 112. 06 157. 49 111. 04 130. 54 132. 29 128. 65 122. 66 157. 81 124. 44 117. 56	107. 49 129. 52 116. 78 110. 11 119. 81 112. 76 159. 08 115. 00 131. 43 132. 82 133. 14 129. 85 160. 77 126. 11	61.00 73.92 59.73 62.73 64.14 74.32 83.71 71.50 73.13 84.29 73.28 78.42 74.67 90.81 85.29 62.82	62. 21 69. 67 63. 80 54. 92 60. 83 75. 35 56. 08 69. 26 79. 84 72. 19 72. 59 67. 02 74. 51 64. 56	74. 21 81. 83 74. 72 66. 73 74. 18 68. 15 74. 02 88. 67 80. 50 91. 06 85. 51 85. 14 77. 65 86. 64 77. 34	48.9.59.59.59.49.22.7 46.1 46.1 46.2 55.6 55.3 52.1 50.9 59.4 49.1	

¹ Taken from the annual reports "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division. The term "Administrative and Office Employees" as used by the annual survey of manufactures corresponds to the term "Salaried Employees" used by the Employment Section of the Labour Division.

Distribution of Employees on the Basis of Weekly Earnings. — Prior to 1950 statistics on the distribution of employees on the basis of weekly earnings were compiled by the Industry and Merchandising Division in the annual census of manufactures. At first only wage-earners were covered and in 1944 salaried employees were also included. In 1946 this phase of manufacturing statistics was transferred to the Employment Section of the Labour Division. The 1950 survey which covered the last pay period in October made available data on the distribution of employees by earnings groups for the first time since

the Census of Manufactures survey in January 1944. The data in the two surveys are not strictly comparable, largely because the earlier surveys included establishments employing less than 15 persons and were conducted for a different period of the year. Also the 1944 survey reflected wartime conditions.

Variation in the provincial distribution of employees by amounts earned are obviously related to pay levels, occupational and sex differences, number of casual and part-time workers, and length of the working week in the more important

⁻⁻ Number too small to be significant.

industries in each area. Most of the employees in the low-earnings ranges are casually-employed workers, or those who do not work full time in the week. Part-time work is particularly common among women; the 1952 survey showed that 11.9 p.c. of the female production workers reported in manufacturing worked 30 hours or less, as compared with 4.6 p.c. for men. Short-time or casual work is characteristic of such industries as fish processing and fruit and vegetable canning, the duration of employment depending on the immediate availability of materials.

The tremendous change in the level of incomes of factory workers since the war is strikingly illustrated in Table 42. Whereas in 1940 only 3 p.c. of male and none of the female production workers received \$50 or more per week, in 1956 these percentages jumped to 85 and 24 respectively. The

percentage of employees in the lower income groups declined accordingly. Whereas in 1940, 72 p.c. of male production workers received less than \$30 per week, in 1956 the percentage declined to 3. For female production workers the percentage in these groups declined from 99 to 28.

For office workers information on the distribution by income groups is only available for 1944, 1950, 1953 and 1956. Earnings by office workers, too, advanced to unprecedented heights. The percentage of male office workers receiving \$50 or more per week rose to 92 in 1956 from 39 in 1944, while for females the percentage in 1956 was 46 as compared with none in 1944. Tables 43 and 44 give the distribution by income groups of male and female production workers as well as office workers by provinces and major industrial groups for 1956.

TABLE 42. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, 1934-56

					1	Class ran	ge					Averag
Year	Under \$10.00	\$10.00 to \$19.99	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 and over	weekly earnings
						per cent						\$
Male wage-earners:												
1934	12	43	32	10	2	12						20.3
1936	10	40	35	11	3	12						20.9
1940	6	29	37	19	6	32						24. 8
1944	3	9	25	31	20	9	2	12				34. 9
19501	1	2	5	14	26	28	14	6	2	1	1	50. 9
19531	1	2	2	5	12	21	27	16	7	3	4	62.7
19561		1	2	4	8	14	22	20	13	7	9	70.6
Female wage-earners:												
1934	34	61	4	1	_	-	-	-	-	-	-	11.8
1936	30	65	4	1 ²								12.2
1940	23	68	8	12		:						13.5
1944	10	45	33	10	2							20.8
19501	3	16	35	30	12	2	1	-	1	-	-	29.0
19531	3	9	26	28	20	10	3	1				35.0
19561	2	7	19	26	22	14	7	2	1		••	39. 2
Male salaried employees:												
1944	1	6	13	21	20	15	9	15 ²				46. 2
1950¹	_	1	5	8	13	19	17	12	8	5	12	69.3
1953¹		••	2	3	7	11	15	14	13	10	25	86.4
19561		••	1	2	5	7	10	12	13	12	38	99.0
Female salaried employees:												
1944	2	31	52	13	2	-		-	-	-	-	23.7
19501	-	4	27	43	19	5	1	1	-	-	-	34.3
19531		2	9	30	34	17	5	2	1	•••	**	43.1
19561		1	4	18	31	25	12	5	2	1	1	49.3

¹ Statistics for 1950, 1953 and 1956 are taken from the annual reports "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division. The terms "wage-earners" and "salaried employees" in the above table correspond to the terms "production and related workers" and "administrative and office" employees in the annual survey of manufactures.

² And over.

⁻⁻ Number to small to be significant.

TABLE 43. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings and by Sex and Province, 1956

					C	lass rang	ge					
Province	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	Average weekly earnings
						per cent	,				1	\$
Male wage-earners:												
Newfoundland	9	7	9	10	12	12	13	9	5	7	7	65.52
Prince Edward Island ¹												47.92
Nova Scotia	3	6	9	17	20	19	13	7	4	2		58. 19
New Brunswick	2	3	10	18	15	19	14 18	7 10	5	5	2 3	62.65 67.56
Quebec	1	3 2	5	11	17 12	22 21	23	14	8	7	4	73.39
Ontario	2	1	4	9	18	28	23	8	4	3		65. 65
Saskatchewan	2	2	3	6	26	22	19	12	5	3		65.62
Alberta	1	1	2	7	18	28	22	11	6	3	1	67.96
British Columbia	1	1	2	3	7	26	23	19	9	6	3	75.53
Canada	1	2	4	8	14	22	20	13	7	6	3	70. 67
Female wage-earners:										_	-	19.12
Newfoundland	51	38	8	2	1		_	_	-	_	_	25.69
Prince Edward Island ¹	26.	42	23	8	1			_			_	25.88
Nova Scotia	20	35	26	14	4	1			_	_		29.36
Quebec	10	24	25	21	12	6	1	1				37.46
Ontario	6	14	27	24	17	8	3	1				41.69
Manitoba	9	26	31	18	11	4	1					35.76
Saskatchewan	10	18	25	22	16	8		1	_	_	-	38. 23
Alberta	7	16	20	21	21	11	3	1			_	42.72
British Columbia	8	12	19	21	20	16	3	1				43.67
Canada	9	19	26	22	14	7	2	1				39, 29
Male salaried employees:												
Newfoundland	1	5	7	12	12	7	8	8	9	11	20	87.32
Prince Edward Island ¹												66.64
Nova Scotia		1	4	9	13	13	11	13	11	13	12	82.64
New Brunswick	1	2	4	11	14	15	12	10	7	10	14	82. 30
Quebec	1	1	3	6	8	11	12	12	10	15	21	96.89
Ontario			2	4	6	10	12	13	12	. 18	23	102. 19
Manitoba		1	4	8	12	16	14	12	10	12	11	84. 24
Saskatchewan		1	4	10	12	15	14	14	9	11	10	79.64 91.71
Alberta	1	1	2	4	9	12	15	14	11 15	15 20	22	102.47
British Columbia		1	2	3	5 7	10	11	14	12	17	21	99. 05
		*										
Female salaried employees:												42.00
Newfoundland	8	17	22	18	17	11	5	2				31. 11
Prince Edward Island ¹					10						_	39.06
Nova Scotia	2	15	44	23	12	3 4	1 3		1			40.63
New Brunswick	2	16	34	27 28	13	13	5	2	1	1		49.40
Quebec	1	3	18	32	24	13	5	2	1			50.18
Ontario	1	8	33	35	15	6	2					41.95
Saskatchewan	1	2	25	40	23	6	2	1	_	· –	_	45.07
Alberta	1	4	19	39	25	8	3	1		••	**	46.77
								0	4			49.61
British Columbia	1	3	16	36	25	11	5	2	1			10.01

¹ Breakdown by class range not available.

⁻⁻ Number too small to be significant.

TABLE 44. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, and by Sex and Industrial Group, 1956

and by Sex and Industrial Group, 1956												
						Class rar	nge					
Group	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	Average weekly earnings
						per cent			ı			\$
Male wage-earners:												
Foods and beverages	3	3	6	11	19	23	20	8	4	3		62. 35
Tobacco and tobacco products	2	1	2	4	10	38	23	10	6	4	w a	70. 10
Rubber products	2	1	2	6	14	19	19	17	10	9	1	74. 79
Leather products	4	9	12	19	22	18	10	4	1	1		51.92
Textile products (except clothing)	2	3	8	22	27	18	12	5	2	1		56. 89
Clothing, including knitting mills	3	7	10	15	17	17	12	8	5	5	1	59. 78
Wood products	3	3	8	16	20	25	14	6	3	2	*-	59. 19
Paper products	1	1	2	4	8	20	21	15	11	11	6	80.45
Printing, publishing and allied industries	2	3.	6	7	8	9	12	14	11	18	10	82. 19
Iron and steel products		1	2	4	12	21	22	15	10	8	5	76.08
Transportation equipment	2	3	1	4	11	23	28	12	7	5	4	73. 43
Non-ferrous metal products	1	1	2	4	9	19	28	24	8	3	1	74.82
Electrical apparatus and supplies		1	2	5	12	23	21	15	9	8	4	75.52
Non-metallic mineral products	1	1	2	6	16	28	21	13	6	5	1	70. 61
Products of petroleum and coal				1	3	13	24	24	20	11	4	84. 21
Chemicals and allied products		1	2	5	14	26	23	16	7	5	1	72. 19
Miscellaneous industries	2	3	8	14	20	19	16	10	4	3	1	62. 73
All groups	1	2	4	8	14	22	20	13	7	6	3	70. 67
Female wage-earners;												
Foods and beverages	15	21	24	19	14	6	1				****	36. 12
Tobacco and tobacco products	3	4	6	24	37	21	4	1			-	52. 43
Rubber products	4	8	17	34	25	9	2	1		_	-	45.47
Leather products	10	30	33	17	7	2	1				-	33.06
Textile products (except clothing)	5	15	28	33	14	4	1				-	39.53
Clothing, including knitting mills	11	27	29	18	9	4	1	1				35.00
Wood products	7	14	25	21	12	17	3	1				43.38
Paper products	5	14	28	28	16	6	2	1				41.00
Printing, publishing and allied industries	8	18	29	26	11	5	2	1				38. 83
Iron and steel products	3	8	17	22	24	18	6	2				49.05
Transportation equipment	4	4	11	20	21	28	8	3	1			53.40
Non-ferrous metal products		19	31	23	14	5	2	1			-	39.57
Electrical apparatus and supplies	2	6	18	24	28	14	5	2	1			49.89
Non-metallic mineral products	3	12	14	27	31	11	2				-	46. 83
Products of petroleum and coal ¹												
Chemicals and allied products	4	12	25	35	17	5	1	1			_	41.70
Miscellaneous industries	7	24	34	17	10	6	2				-	37. 26
All groups	9	19	26	22	14	7	2	1				39. 29

¹ Breakdown by class range not available.

⁻⁻ Number too small to be significant.

TABLE 44. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, and by Sex and Industrial Group, 1956 — Concluded

	and by	Sex an	d Indust	rial Gro	up, 195	6 - Cor	ncluded					
	Class range											
Group	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	Average weekly earnings
		1	1			per cen	t					\$
Male salaried employees:												
Foods and beverages	**	1	3	7	11	14	16	14	10	11	13	87.51
Tobacco and tobacco products			1	5	7	11	19	13	11	12	21	101.57
Rubber products	••	**	2	5	9	12	14	15	13	13	17	92.31
Leather products	1	2	5	9	12	17	16	11	5	10	12	81.65
Textile products (except clothing)		1	3	5	10	13	16	13	9	13	17	92.79
Clothing, including knitting mills	2-	3	6	8	10	13	13	10	7	12	18	87.29
Wood products		1	2	6	9	13	15	14	11	15	14	89.31
Paper products			1	3	4	8	10	12	11	16	35	117.86
Printing, publishing and allied industries	2	3	5	7	9	10	10	10	9	16	19	91.91
Iron and steel products		1	2	5	7	11	12	13	12	17	20	99.50
Transportation equipment			1	3	5	8	11	13	14	22	23	103.42
Non-ferrous metal products			2	3	6	8	10	13	15	20	23	104.06
Electrical apparatus and supplies			1	4	5	8	12	14	13	19	24	102.73
Non-metallic mineral products			2	4	7	13	14	14	12	15	19	97.73
Products of petroleum and coal			1	. 3	5	5	8	10	11	17	40	126.42
Chemicals and allied products			2	4	7	11	11	13	12	17	23	101.85
Miscellaneous industries		1	2	5	9	12	14	12	10	14	21	95.04
All groups	**	1	2	5	7	10	12	13	12	17	21	99.05
Female salaried employees:			•									
Foods and beverages	1	6	20	33	24	10	4	1	1			47.08
Tobacco and tobacco products	1	2	9	17	29	31	7	3		_	1	56.19
Rubber products	1	2	22	38	25	9	2	1		-		46.94
Leather products	2	14	29	28	17	6	3	1			_	42.06
Textile products (except clothing)	1	6	29	34	18	8	3	1				44.89
Clothing, including knitting mills	2	12	24	24	20	10	4	2	1	1		45.38
Wood products	1	8	24	34	19	9	3	1	1	**		45.06
Paper products	1	2	12	29	28	17	7	3	1	••		53.03
Printing, publishing and allied industries	3	7	24	30	19	9	4	2	1	1		46.72
Iron and steel products	1	4	18	34	25	11	4	2	1			48.75
Transportation equipment		2	11	26	31	21	6	2	1			53.81
Non-ferrous metal products	1	4	14	29	29	13	6	3	1			50.89
Electrical apparatus and supplies	1	2	17	33	28	12	5	1	1			50.74
Non-metallic mineral products	1	3	15	39	26	11	3	1		1		49.22
Products of petroleum and coal		1	5	23	32	20	9	4	3	3	_	57.72
Chemicals and allied products		2	13	34	28	13	6	2	1	1		52.51
Miscellaneous industries	1	4	17	33	28	11	3	2		1		48.29
All groups	1	4	18	31	25	12	5	2	1	1		49.31

⁻⁻ Number too small to be significant.

Real Earnings of Employees in Recent Years. — When the index number representing the average yearly earnings of production workers is divided by the consumer price index, on the same base, a measure of "real" income is obtained. Index numbers for 1931 to 1958 are given in Table 45. In 1933,

the height of the depression, real earnings were 63.9 on the 1949 base. From then on they rose steadily and stood at 101.5 in 1944, an increase of about 59 p.c. In 1946 real earnings dropped to 94.6 and from then on continued to rise each year. In 1958 the index stood at 131.3.

TABLE 45. Average Yearly Earnings, and Index Numbers of Earnings, Consumer Price Index and Real Earnings of Production Workers in the Manufacturing Industries, 1931-58

Year				Index numbers (1949 - 100)			
	Payments to production workers	Average number employed	Average yearly earnings	Average yearly earnings	Consumer price index	Real value of average yearly earnings	
	\$	No.	\$				
1931	415, 277, 895	437, 149	950	46. 0	67. 9	67. 7	
1932	322, 245, 926	381, 783	844	40.8	61.7	66. 1	
1933	296,929,878	382,022	777	37. 6	58. 8	63. 9	
1934	355,090,929	427, 717	830	40. 2	59. 6	67. 4	
1935	399,012,697	458, 734	870	42. 1	59. 9	70. 3	
1936	438, 873, 377	489,942	896	43. 3	61, 1	70. 9	
1937	525, 743, 562	544, 624	965	46. 7	63. 0	74. 1	
1938	498, 282, 208	521, 427	956	46. 3	63. 7	72. 7	
1939	519, 971, 819	533, 342	975	47. 2	63. 2	74. 7	
1940	679, 273, 104	626, 484	1,084	52. 4	65. 7	79. 8	
1941	978, 525, 782	802, 234	1, 220	59. 0	69. 6	84. 8	
1942	1, 347, 934, 049	974, 904	1, 383	66. 9	72. 9	91. 8	
1943	1, 598, 434, 879	1,047,873	1, 525	. 73.8	74. 2	99. 5	
1944	1,611,555,776	1,030,324	1, 564	75. 7	74. 6	101.5	
1945	1, 427, 915, 830	928, 665	1, 538	74. 4	75.0	99. 2	
1946	1, 329, 811, 478	877, 150	1, 516	73. 3	77. 5	94. 6	
1947	1, 611, 232, 166	940,650	1, 713	82.9	84. 8	97. 8	
1948	1, 876, 773, 231	957, 491	1,960	94. 8	97.0	97. 7	
1949	1, 963, 462, 720	949,656	2,067	100.0	100.0	100.0	
1950	2,078,634,086	952, 244	2, 183	105. 6	102.9	102.6	
1951	2, 459, 566, 313	1,010,588	2, 434	117. 8	. 113.7	103. 6	
1952	2, 713, 714, 909	1,025,355	2, 647	128. 1	116. 5	110.0	
1953	2, 940, 338, 939	1,053,226	2, 792	135. 1	115. 5	117.0	
1954	2, 821, 586, 476	989,030	2, 853	138. 0	116. 2	118. 8	
1955	2, 995, 267, 448	1,010,992	2, 963	143. 3	116. 4	123. 1	
1956	3, 298, 666, 205	1,051,723	3, 136	151.7	118. 1	128, 5	
1957	3, 416, 226, 250	1,045,177	3, 269	158, 2	121. 9	129. 8	
1958	3, 333, 171, 979	981, 735	3, 395	. 164_ 2	125. 1	131. 3	

Percentage of Salaries and Wages to Net Value of Products.—Table 46 shows the relation between salaries and wages paid by manufacturers and the total net value of production or value added by manufacture. Figures of gross production are often used in such calculations, but the values out of which the wages of employees must come in the long run are the values added to the raw materials while they are in the factory. Such added values constitute the real production

of the manufacturing plant and are alone available for payment of salaries and wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met.

The percentage of salaries or payments to office workers fluctuate more widely than payments to production workers and has steadily been increasing during the past decade from a low of 10.8 in 1948 to a high of 15.0 in 1958. There was only one

year, viz. 1933, when the percentage was higher than 15.0. The high percentage of 15.1 in 1933 was due to the sharp decline in manufacturing production which was unaccompanied by a corresponding decline in office employment.

The increasing percentage of salaries to value added is due in part to the inclusion of professional and technical employees with salaried workers. With the rapid expansion in manufacturing production during the past decade this type of employment has been increasing rapidly. There is also another factor in the relatively larger increase in office employees. As firms increase in size there is a tendency to perform more and more functions themselves, functions which in the case of smaller firms are performed by independent specialist firms outside the manufacturing field. For example, a firm when it gets larger might decide to do its own selling instead of selling through wholesalers. So without increasing the number of production workers, the office staff would automatically be increased, since now it will include a sales manager and additional clerks for the extra work involved. Other functions such as research, advertising, etc. are increasingly being done by a firm's own staff which tends to increase the number of

administrative and office employees in manufacturing without a corresponding increase in the number of wage-earners or production workers.

Production workers on the other hand can be more readily adjusted to the fluctuations in manufacturing activity and wage levels likewise may be more readily adjusted to the price levels of products, so that the percentage of earnings of production workers to value added has a narrower range than that of office workers. In this case the percentage during the past decade ranged from a high of 38.0 in 1948 to a low of 34.0 in 1958. In contrast to the percentage of salaries paid to value added which has been increasing during the past decade, the percentage payments to production workers has been declining during the same period. There was an increase of 55.3 p.c. in the number of administrative and office employees as compared with an increase of only 2.5 p.c. for production workers during the period 1948-58. Of the increase in the value added by manufacture since 1948 amounting to \$4,853,718,950, \$2,393,128,070 or 49.3 p.c. was passed along in increased salaries and wages.

TABLE 46. Percentage of Salaries and Wages Paid to the Value Added by Manufacture Significant Years, 1917-58

		Payme	ents to	Percentages			
	Value added by manufacture ¹	Administrative and office workers	Production workers	Office payments to value added	Production payments to value added	Total payments value added	
		dollars			per cent		
1917	1,281,131,980	85, 353, 667	412,448,177	6.7	32.2	38.9	
1920	1,621,273,348	141,837,361	575,656,515	8.7	35.5	44.2	
1921	1,123,694,263	130,094,076	367,305,685	11.6	32.7	44.3	
1926	1,305,168,549	142, 353, 900	483,328,342	10.9	. 37.0	47.9	
1929	1,755,386,937	175,553,710	601,737,507	10.0	34.3	44.3	
1933	919,671,181	139, 317, 946	296, 929, 878	15.1	32.3	47. 4	
1937	1,508,924,867	195, 983, 475	525,743,562	13.0	34.8	47.8	
1939	1,531,051,901	217, 839, 334	519,971,819	14.2	34.0	48.2	
1944	4,015,776,010	418,065,594	1,611,555,776	10.4	40, 2	50.6	
1945	3,564,315,899	417, 857, 619	1,427,915,830	11.7	40.1	51.8	
1946	3,467,004,980	410,875,776	1,329,811,478	11.8	38.4	50.2	
1947	4,292,055,802	474,693,800	1,611,232,166	11.0	37.6	48.6	
1948	4,938,786,981	532, 594, 959	1,876,773,231	10.8	38.0	48.8	
1949	5,330,566,434	628, 427, 937	1,963,462,720	11.8	36.8	48.6	
1950	5,942,058,229	692,633,349	2,078,634,086	11.6	35. 0	46.6	
1951	6, 940, 946, 783	816,714,604	2,459,566,313	11.8	35.4	47.2	
1952	7, 443, 533, 199	923, 905, 251	2,713,714,909	12,4	36.5	48.9	
1953	7, 993, 069, 351	1,016,679,409	2,940,338,939	12.7	36.8	49.5	
1954	7,902,124,137	1,075,101,215	2, 821, 586, 476	13.6	35.7	49.3	
1955	8, 753, 450, 496	1,147,142,086	2,995,267,448	13.1	34. 2	47.3	
1956	9,605,424,579	1,272,025,985	3, 298, 666, 205	13.2	34.4	47.6	
1957	9, 822, 084, 726	1,403,401,749	3, 416, 226, 250	14.3	34.8	49.1	
1958	9, 792, 505, 931	1,469,324,281	3,333,171,972	15.0	34.0	49.0	

¹ Equivalent to "net value of products", see footnote 1, Table 1.

Subsection 6. Size of Manufacturing Establishments

The size of the manufacturing establishment is generally measured either by the value of product or by the number of employees, but each of these methods has its limitations. The latter takes no account of the differences in capital equipment at different times or in various industries and obviously the increased use of machinery, as in the flour-milling industry, may lead to an increase in production concurrently with a decrease in number of employees. The former measure has to be adjusted for changes in the price level and, as between industries, it makes those in which the cost of raw materials is relatively high appear to operate on a larger scale. Also in measuring size on the basis of employment, industries with a high capital investment in machinery and equipment are underrated as compared with industries lacking such equipment and consequently employing a relatively larger

Size as Measured by Gross Value of Products. - While in 1922 the 420 establishments each producing over \$1,000,000 had an aggregate value of products of \$1,268,056,129 or 51 p.c.

of the total production of all manufacturing industries, the 719 establishments producing over \$1,000,000 each in 1929 had an aggregate value of products of \$2,516,064,954, or 62 p.c. of the grand total for all manufacturing establishments - a very significant change in the short period of eight years. In 1931, however, the number of plants with a production of over \$1,000,000 dropped again to 482, their output being valued at \$1,451,658,954, or 53 p.c. of the total. With the increased production resulting from war needs, the number of plants with a production of \$1,000,000 or over jumped to 1,376 in 1944 and their output was about 75 p.c. of the total value of manufactures. With the end of the war and the consequent decline in production of the huge war plants the number of establishments with a production of \$1,000,000 or over, although increasing to 1,442 in 1946, nevertheless saw a decline in the proportion of their output to 67 p.c. of the total. With increased prices and an expansion in the physical volume of production during 1947 to 1958, establishments with a production of \$1,000,000 or over increased to 3,212 while their contribution to the total output rose to 81 p.c.

TABLE 47. Manufacturing Establishments, classified according to Gross Value of Products 1929, 1939, 1944 and 1958

	1929¹		1939²			
Estab- lishments	Total production	Average per estab- lishment	Estab- lishments	Total production	Average per estab- lishment	
No.	dolla	rs	No.	o. dollars		
14,024 2,802 2,209 1,688 1,519 636 601 118	106,735,470 99,529,725 156,308,744 237,532,492 504,218,217 443,597,677 1,217,866,089 1,298,198,865	7,611 35,521 70,760 140,718 331,941 697,481 2,026,400 11,001,685	15, 623 2, 803 2, 215 1, 584 1, 285 689 520 81	120,903,054 99,558,383 156,410,769 225,582,130 390,626,844 466,441,130 1,091,293,939 923,724,311	7,739 35,519 70,614 142,413 303,990 676,983 2,098,642 11,404,004	
20,001	1,000,001,010	1 177 7770	WX, 000	0,11,010,000	110,104	
1944			1958³			
13,942 4,011 3,442 2,513 2,256 943 1,089 287	128, 782, 147 143, 023, 914 245, 273, 500 355, 235, 489 714, 546, 348 661, 670, 696 2, 294, 546, 053 4, 530, 614, 372	9,237 35,658 71,259 141,359 316,731 701,666 2,107,021 15,786,113	12,520 5,093 4,855 4,429 4,405 2,227 2,484 728	124, 233, 513 183, 855, 109 349, 482, 524 630, 075, 157 1, 393, 009, 356 1, 570, 426, 524 5, 232, 047, 910 12, 680, 056, 215	9,923 36,100 71,984 142,261 316,234 705,176 2,106,299 17,417,660	
28, 483	9, 973, 692, 519	318,565	36, 741	22, 163, 186, 308	602, 22	
	11shments No. 14,024 2,802 2,209 1,688 1,519 636 601 118 23,597	Estab- lishments Total production No. dollat 14,024 106,735,470 2,802 99,529,725 2,209 156,308,744 1,588 237,552,492 1,519 504,218,217 636 443,597,677 601 1,217,866,089 118 1,298,198,865 23,597 4,063,987,279 1944 13,942 128,782,147 4,011 143,023,914 3,442 245,273,500 2,513 355,225,489 2,256 714,546,348 943 661,670,696 1,089 2,294,546,053 287 4,530,614,372	Estab- lishments	Estab- lishments	Estab- lishments	

TABLE 48. Manufacturing Establishments classified according to Selling Value of Factory Shipments, by Industrial Groups, 1958

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
Canada: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 99,999 5,000,000 " 999,999 5,000,000 " 999,999 1,000,000 " 999,999 5,000,000 and over Head office ¹ Totals	6, 965 5, 555 5, 093 4, 855 4, 429 4, 405 2, 227 2, 484 728	9, 497 16, 016 25, 915 41, 867 62, 133 122, 332 133, 672 345, 154 515, 302 17, 714	10,207,108 31,652,462 61,855,163 111,547,517 179,344,733 373,591,996 444,472,466 1,223,311,206 2,259,849,240 106,664,269	1,090,855 2,654,252 4,425,612 7,961,344 13,500,446 25,001,627 25,198,952 100,477,367 369,044,050 4,027	15,079,364 42,536,482 84,848,047 169,061,603 329,551,267 722,348,616 847,354,872 2.691,699,087 6,919,088,133	31,309,272 92,924,241 183,855,109 349,462,524 630,075,187 1,393,009,356 1,570,426,524 5,232,047,910 12,680,056,218
1 OCALIS	36,741	1, 289, 602	4, 802, 496, 160	549, 358, 532	11, 821, 567, 471	22, 163, 186, 308

¹ Under this heading are included only those head offices which are not located at the plant,

Includes central electric stations and dyeing, cleaning and laundry establishments.
 Exclusive of Yukon and the Northwest Territories.
 The figures for 1958 are "value of factory shipments" and not "production". They also include Newfoundland.

TABLE 48. Manufacturing Establishments classified according to Selling Value of Factory Shipments, by Industrial Groups, 1958 — Continued

b	y Industrial	Groups, 19	58 - Continue	d		
	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nu	mber		do	llars	
Foods and beverages: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 4,999,999 5,000,000 and over Head offices¹		1, 170 3, 373 5, 371 8, 189 11, 979 18, 561 19, 864 55, 252 65, 561 1, 125	1,349,764 6,040,948 11,280,555 19,343,214 30,035,546 51,269,557 58,103,044 183,832,502 254,975,295 7,059,171	254,060 944,141 1,588,097 2,919,774 5,045,198 7,816,371 6,925,172 20,047,296 21,386,812 4,027	1,882,352 11,597,394 27,606,539 62,414,683 125,731,086 225,380,259 214,665,229 750,562,921 1,519,472,040	4,083,890 22,059,676 47,910,387 98,769,452 187,424,009 340,370,002 339,483,696 1,220,400,943 2,268,387,234
Totals	8, 417	190, 445	623, 289, 596	66, 930, 948	2, 939, 312, 503	4, 528, 889, 289
Tobacco and tobacco products: Under \$10,000 \$ 10,000 to \$ 99,999 500,000 " 999,999 1,000,000 and over Head offices ¹	5 9 4 22 —	6 163 257 9,889 4	8,956 376,645 667,067 36,081,869 9,065	651 21, 106 21, 518 858, 107	7, 575 632, 942 2, 637, 837 202, 765, 180	19,476 1,147,395 3,327,675 300,644,090
Totals	40	10, 319	37, 143, 602	901, 382	206, 043, 534	305, 138, 636
Rubber products: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 '' 49,999 50,000 '' 99,999 100,000 '' 199,999 200,000 '' 499,999 500,000 '' 499,999 1,000,000 '' 4,999,999 1,000,000 '' 4,999,999 T,000,000 and over	5 6 9 4 6 18 8 16 17	11 18 32 34 76 563 496 4,485 14,228	12, 369 34, 477 96, 956 112, 057 288, 143 1, 826, 214 1, 435, 902 14, 440, 753 58, 198, 132 76, 445, 003	658 2,076 11,179 4,713 11,962 127,997 120,945 973,446 3,776,437	7, 758 32, 753 161, 367 137, 155 493, 454 2, 912, 502 2, 827, 300 16, 464, 020 105, 536, 307	26, 083 97, 889 328, 512 322, 666 888, 793 6, 326, 528 5, 348, 048 44, 646, 398 250, 398, 279 308, 383, 196
Leather products:						
Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 and over	46 64 68 82 77 125 70 66	68 189 441 976 1,699 5,790 6,484 14,504	101, 419 399, 853 845, 975 2, 174, 389 4, 072, 204 13, 837, 937 15, 736, 892 41, 515, 130	9, 264 30, 754 40, 692 58, 339 124, 866 346, 966 387, 729 1, 275, 797	110, 216 456, 055 1, 163, 013 2, 813, 057 5, 667, 758 21, 133, 768 24, 821, 984 68, 497, 885	245,585 996,793 2,422,406 6,050,400 11,529,292 42,127,052 49,427,691 134,027,546
Totals	598	30, 151	78, 683, 799	2, 274, 407	124, 663, 736	246, 826, 765
Textile products: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 99,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 499,999 5,000,000 " 49,999 1,000,000 " 49,999 1,000,000 " 49,999 Head offices'	79 114 114 115 128 84 122 33	129 452 752 1, 286 1, 963 4, 068 4, 479 21, 530 26, 446 2, 367	180,080 803,607 1,711,122 3,142,376 5,111,959 11,561,365 61,976,362 83,491,666 12,006,866	13,446 48,114 66,374 136,657 759,678 761,163 954,783 4,479,912 8,120,156	132, 964 661, 866 1, 563, 961 3, 349, 739 7, 451, 862 21, 462, 547 36, 496, 514 143, 389, 785 180, 111, 865	397, 476 1, 910, 068 4, 137, 280 8, 229, 458 16, 463, 063 41, 297, 736 61, 091, 552 253, 537, 815 351, 626, 266
Totals	903	63, 472	193, 327, 948	14, 940, 283	394, 621, 103	738, 690, 714
Clothing: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 499,999 1,000,000 " 499,999 5,000,000 " 4,999,999 1,000,000 " 4,999,999 Head offices¹	108 203 294 442 444 555 267 143 4	223 907 2, 428 5, 788 9, 258 20, 445 19, 779 25, 107 3, 494 311	322, 165 1, 665, 755 4, 611, 069 12, 669, 359 21, 339, 799 51, 429, 662 51, 066, 500 64, 681, 421 8, 685, 323 1, 501, 832	14, 453 59, 439 116, 911 255, 127 392, 208 759, 934 666, 773 812, 741 82, 032	260, 990 1, 316, 515 4, 222, 089 14, 148, 061 32, 039, 700 92, 977, 913 102, 969, 185 128, 508, 902 12, 800, 341	664, 243 3, 515, 251 10, 874, 027 32, 375, 777 63, 952, 532 176, 553, 423 190, 749, 613 240, 031, 808 29, 592, 785
Totals	2, 460	87, 740	217, 972, 885	3, 159, 618	389, 243, 696	748, 309, 459

¹ Under this heading are included only those head offices which are not located at plant.

TABLE 48. Manufacturing Establishments classified according to Selling Value of Factory Shipments, by Industrial Groups, 1958 - Continued

	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		doll	ar	
Knitting mills: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 and over Head offices*	11 14 26 40 49 82 50 49	44 77 163 442 1,117 3,305 4,207 11,277 304	33,132 97,714 351,153 948,611 2,286,871 7,771,831 10,452,243 26,762,285 1,125,329	2,393 4,261 15,863 44,851 104,416 320,956 392,641 976,050	22,622 98,903 437,862 1,357,008 3,903,299 14,059,055 17,537,958 51,193,681	46, 241 260, 770 985, 347 2, 935, 62 7, 572, 147 26, 848, 834 35, 634, 292 99, 292, 982
Totals	321	20, 936	49, 829, 169	1, 861, 431	88, 610, 388	173, 57 6, 575
Wood products: Under \$10,000	3,664 1,791 1,287 1,032 772 718 335 227 22	5,173 4,895 6,361 8,839 11,220 21,619 18,921 29,026 13,836 1,032	3, 947, 148 7, 971, 897 13, 178, 987 21, 230, 544 31, 363, 836 64, 949, 569 61, 814, 921 101, 951, 002 56, 705, 901 6, 467, 744	472,332 729,782 1,059,955 1,769,327 2,596,558 4,282,069 3,327,731 4,807,965 1,787,783	7,784,296 14,785,032 23,223,656 37,682,451 56,635,280 121,583,946 124,580,966 223,909,749 107,277,160	15, 316, 586 29, 050, 145 45, 951, 395 73, 628, 821 109, 504, 498 229, 265, 037 230, 726, 244 410, 681, 300 199, 469, 553
Totals	9, 848	120, 922	369, 581, 549	20, 833, 502	717, 462, 536	1, 343, 593, 579
Paper products: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 '' 49,999 50,000 '' 99,999 100,000 '' 199,999 200,000 '' 499,999 500,000 '' 999,999 1,000,000 '' 4,999,999 1,000,000 '' 4,999,999 Head offices'	9 14 29 42 69 96 58 156 89	13 54 134 363 1,150 2,561 3,090 21,763 60,818 2,889	17, 821 110, 930 316, 984 903, 943 3,178, 929 7, 496, 790 9, 823, 156 80, 631, 926 285, 029, 928 22, 067, 828	1,200 5,145 21,524 43,375 224,679 529,777 742,042 9,956,235 98,844,384	12,014 93,861 516,794 1,528,274 4,984,277 15,976,448 21,871,802 213,418,433 624,754,155	45,109 266,813 1,027,102 3,006,932 9,944,540 29,960,726 41,241,017 382,187,284 1,421,780,870
Totals	562	92, 935	409, 578, 235	110, 368, 361	883, 15 6, 058	1,889,460,393
Printing publishing and allied industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 4,999,999 5,000,000 " 4,999,999 Head offices¹	1,335 883 745 557 389 284 117 100 23	9,508 8,801 17,476 17,827 62	1,412,159 5,485,161 10,768,658 16,560,464 23,073,820 35,500,033 34,921,487 75,033,267 84,839,600 376,596	83,080 219,620 303,186 389,137 558,527 783,889 713,437 1,466,659 1,300,215	3,091,235 6,025,036 9,915,012 13,380,259 18,297,963 29,437,743 24,809,688 63,088,715 80,198,807	5, 304, 340 14, 796, 093 26, 604, 874 39, 308, 256 54, 859, 940 87, 435, 338 83, 018, 163 201, 762, 783 249, 013, 582
Totals	4, 433	72, 221	287, 971, 245	5, 819, 750	248, 244, 458	762, 103, 369
Iron and steel products: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 500,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 49,999 1,000,000 " 4,999,999 1,000,000 and over Head offices	224 444 452 469 466 487 262 359 91	1,351 2,511 4,356 7,113 13,840 14,460 56,623	760,613 3,479,021 7,676,909 14,597,001 25,749,034 53,888,762 56,106,337 226,415,928 366,815,973 1,713,656	73, 114 226, 362 372, 771 701, 191 1, 222, 950 2, 602, 871 2, 442, 736 12, 804, 737 36, 108, 432	452,406 2,562,093 5,379,989 12,039,312 25,199,311 64,202,760 84,945,580 365,726,872 710,201,897	1,432,502 7,608,878 16,474,009 33,260,194 65,482,309 152,911,541 184,770,379 795,149,280 1,448,593,707
Totals	3, 254	179,440	757, 173, 234	56, 555, 164	1, 270, 710, 220	2, 705, 682, 799
Transportation equipment: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 500,000 " 99,999 1,000,000 " 499,999 5,000,000 " 499,999 1,000,000 and over Head offices*	75 82 68 61 77 53 85 51	283 392 630 1,285 2,388 12,444 18,202	266,189 676,152 1,124,260 1,875,288 4,610,527 8,989,402 58,849,048 71,863,787 401,096,457 4,074,322	41,683 55,679 78,463 222,590 329,540 1,015,228 2,709,533 16,283,324	194,834 563,843 997,851 1,823,021 4,177,112 10,161,498 42,269,625 11,909,701 1,001,471,902	427, 438 1,358, 476 2,508,826 4,416,116 10,932,093 23,784,765 37,335,871 203,719,153 1,791,425,046
Totals	626	125, 976	553, 425, 432	20, 750, 149	1, 153, 569, 387	2, 075, 907, 784

¹ Under this heading are included only those head offices which are not located at plant.

TABLE 48. Manufacturing Establishments classified according to Selling Value of Factory Shipments, by Industrial Groups, 1958 — Concluded

by Industrial Groups, 1958 - Concluded							
	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments	
Non-fearous makel made at a	nui	mber		dol	lars		
Non ferrous metal products: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 500,000 " 499,999 5,000,000 " 49,999 1,000,000 " 4,999,99 1,000,000 " 4,999,999 Head offices¹	42 79 73 82 95 87 43 57 35	73 251 338 751 1,448 2,869 2,415 8,300 34,008 848	157,376 595,539 939,740 2,469,094 4,468,718 9,292,548 8,601,049 32,956,416 161,535,889 5,598,103	9,452 31,152 52,987 122,033 223,698 443,961 446,968 3,589,760 64,840,431	83,453 511,224 1,127,494 2,595,196 6,222,447 12,407,398 14,115,274 70,905,561 822,963,107	240,290 1,323,652 2,524,054 5,800,153 13,502,591 27,293,133 29,204,663 130,236,549 1,321,071,956	
Totals	593	51,301	226, 614, 472	69, 760, 442	930, 931, 154	1,531,197,041	
Electrical apparatus and supplies: Under \$10,000 \$ 10,000 to \$ 24,999. 25,000 " 49,999. 50,000 " 99,999. 100,000 " 199,999. 200,000 " 499,999. 5,000,000 " 49,999. 1,000,000 " 4,999,999. 1,000,000 " 4,999,999. Head offices¹	16 15 52 43 47 92 62 114 51	27 35 270 450 718 2,719 3,580 18,465 48,178 502	52, 215 82, 120 880, 299 1, 473, 173 2, 295, 892 8, 623, 264 11, 806, 486 70, 570, 378 217, 455, 411 3, 118, 535	3,244 3,525 35,800 61,748 99,165 459,268 347,952 2,730,867 5,450,028	38,397 108,708 919,129 1,300,321 2,732,389 16,020,67 22,239,241 126,708,013 303,835,788	87,776 245,182 1,964,276 3,201,352 6,677,048 31,019,827 43,949,260 252,868,050 675,403,965	
Totals	492	74,944	316, 357, 773	9, 191, 597	473, 902, 660	1,015,416,736	
Non metallic mineral products: Under \$10,000. \$ 10,000 to \$ 24,999. 25,000 " 49,999. 50,000 " 99,999. 200,000 " 499,999. 200,000 " 499,999. 200,000 " 499,999. 500,000 " 999,999. 1,000,000 " 4,999,999. 5,000,000 and over. Head offices*	162 189 163 177 154 169 87 119 28	340 668 993 1,628 2,294 4,531 3,576 14,158 11,890	482,913 1,407,620 2,467,301 4,637,249 7,580,576 16,016,296 13,981,637 59,276,757 51,681,103 4,280,175	60, 248 124, 152 357, 334 828, 739 1, 389, 412 3, 729, 057 4, 140, 654 19, 611, 653 21, 933, 958	309,356 1,086,119 2,046,370 4,019,208 14,655,787 19,048,413 26,399,702 83,735,811 67,383,078	840,420 3,147,569 6,130,953 12,840,548 21,914,364 53,364,777 61,276,491 248,269,835 228,911,373	
Totals	1,248	40,858	161,811,627	52, 175, 207	218, 683, 844	636, 696, 330	
Products of petroleum and coal: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 4,999,999 1,000,000 " 4,999,999 1,000,000 and over Head offices¹	3 4 4 5 9 15 16 25 34	13 25 11 26 73 180 711 1,691 10,850 3,847	41,086 118,335 38,148 110,694 289,465 731,943 2,645,720 7,776,619 55,567,088 22,171,388	2,698 33,031 7,394 14,498 99,176 170,948 323,742 3,022,209 52,727,114	9,492 384,381 96,394 180,461 658,053 2,295,620 5,579,332 43,279,448 841,974,332	17,579 81,881 156,176 342,670 1,378,491 4,548,833 11,043,741 65,873,497 1,382,966,493	
Totals	115	17, 427	89, 490, 506	56, 400, 810	894, 457, 513	1,466,409,361	
Chemicals and allied products: Under \$10,000. \$ 10,000 to \$ 24,999. 25,000 " 49,999. 100,000 " 99,999. 200,000 " 499,999. 200,000 " 499,999. 1,000,000 " 999,999. 1,000,000 and over. Head offices 1.	116 98 120 113 125 187 136 194 54	163 281 528 795 1,153 3,221 4,470 16,903 24,655 2,401	271, 815 622, 617 1, 476, 731 2, 521, 839 3, 868, 115 12, 090, 311 17, 633, 788 67, 210, 972 114, 074, 197 14, 048, 945	19,066 42,108 83,771 195,226 276,380 777,476 1,530,432 10,264,616 34,647,796	226, 904 643, 244 2, 064, 674 4, 015, 608 8, 011, 616 26, 458, 777 46, 726, 169 196, C25, 871 304, 543, 131	617, 633 1, 615, 869 4, 386, 261 8, 388, 961 18, 000, 923 60, 024, 189 96, 978, 414 418, 159, 205 685, 160, 237	
Totals	1, 143	54,570	233, 819, 330	47, 836, 871	589,315,994	1, 293, 331, 692	
Miscellaneous manufacturing industry: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 4,999,999 1,000,000 " 4,999,999 H,000,000 " 4,999,999 Head offices¹	274 274 263 226 206 181 92 77 6	402 795 1,420 2,229 3,275 6,079 5,666 11,597 4,290 249	789,888 2,054,358 4,074,375 6,712,872 9,656,217 18,132,578 17,560,444 40,239,677 19,791,432 968,914	57,387 108,907 234,712 334,931 536,889 754,970 698,469 1,321,356 521,576	452,500 1,605,490 3,382,594 6,225,423 12,475,689 26,490,127 31,861,486 60,849,403 26,723,759	1, 496, 605 4, 578, 750 9, 425, 642 16, 471, 853 29, 680, 079 59, 285, 686 65, 819, 714 142, 184, 768 64, 629, 493	
Totals	1,599	36,002	119, 980, 755	4,569,197	170, 066, 471	393, 572, 590	

¹ Under this heading are included only those head offices which are not located at the plant.

Size as Measured by Number of Employees. - In 1929, establishments employing 501 hands or over accounted for 27.3 p.c. of the number of employees engaged in manufacturing. The tendency then in evidence of increasing concentration into larger units was checked by the depression, the percentage dropping to 20.5 in 1933, (central electric stations included), but rising again to 25.6 in 1939. The same holds true for establishments employing 101 hands or over. In 1929 they employed 61.9 p.c., in 1933, 55.7 p.c. and in 1939, 61.5 p.c.

The effect of the War on the concentration of industries into large units is illustrated by the increase in the number of establishments employing 500 hands or over. In 1939 such establishments numbered 172 and employed 25.6 p.c. of the total number of employees engaged in manufacturing. By 1944 the number had increased to 383 and the percentage of total employees to 47.0. In a further subdivision of this group in 1944 it was found that 226 establishments employed between 500 and 999 persons, 56 between 1,000 and 1,499, and 101 employed over 1,500. Altogether there were 12 plants employing over 7,000 persons, the largest having an employment of a little over 13,000 with the next three largest employing between 9,000 and 10,000. Three other plants employed between 8,000 and 9,000 persons, while the lowest five plants in this group employed between 7,000 and 8,000 workers.

With the resumption of peace-time production the larger establishments declined in size, so that by 1958 only 55 establishments employed over 1,500 employees, as compared with 101 in 1944. In 1958 there were only eight establishments with 5,000 or more persons. Only one reported more than 10,000 employees, two reported between 9,000 and 10,000, two between 7,000 and 8,000 and the remaining three between 5.000 and 6.000.

Employees	Establishments
1,500 to 2,999	35 5
3,000 to 3,999 4,000 to 4,999	5 7
5,000 to 5,999 6,000 and over	3 5
Total	55

TABLE 49. Manufacturing Establishments, classified by Number of Employees per Establishment, and by Provinces, 1958

Province	Up to 499	500 to 799	800 to 999	1,000 to 1,499	1,500 or over	Total
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories	766 179 1, 290 932 11, 696 13, 101 1, 624 970 1, 750 4, 050	- 3 4 64 95 5 - 10 6	2 1 25 23 1 1 - 1 8	1 - 2 255 28 3 - 1 4	1 2 18 29 1	768 179 1, 297 939 11, 828 13, 276 1, 634 970 1, 762 4, 072
Canada	36, 374	187	61	64	55	36, 741

TABLE 50. Manufacturing Establishments classified by Number of Employees per Establishment, 1929, 1939, 1944 and 1957

		1929¹			1939²	
Group	Estab- lishments	Employees	Average per establishment	Estab- lishments	Employees	Average per establishment
			nun	nber		
Under 5 employees	12, 273 6, 160 2, 531 1, 262 745 444 182	30,446 62,310 81,846 90,238 103,944 136,397 189,253	3.5 10.1 32.3 71.5 139.5 307.2 1,040.0	13,002 6,985 2,330 1,158 695 458 172	28, 020 68, 151 75, 324 81, 646 97, 063 139, 687 168, 168	2. 2 9. 8 32. 3 70. 5 139. 7 305. 0 977. 7
Totals and averages	23, 597	694, 434	29.4	24, 800	658, 059	26.5
		1944			1958³	
Under 5 employees 5 to 14 employees 15 " 49 " 50" 99 " 100" 199 " 200" 499 " 500" 999 " 1,000" 1,499 " 1,500 and over Head offices* Not classifiable	13, 208 7, 111 4, 615 1, 622 900 644 383	29, 958 58, 404 124, 408 113, 869 126, 192 196, 707 573, 344	2, 3 8, 2 27. 0 70, 2 140, 2 305, 4 1,497, 0	15, 156 9, 820 6, 452 2, 149 1, 212 775 248 64 55	33,747 81,410 172,849 149,195 168,145 238,246 171,711 80,193 176,392 17,714	2, 2 8, 3 26, 8 69, 4 138, 7 307, 4 692, 4 1, 253, 0 3, 207, 1
Totals and averages	28, 483	1, 222, 882	42. 9	36, 741	1, 289, 602	35. 1

Includes central electric stations; dyeing, cleaning and laundry establishments. Exclusives of Yukon and the Northwest Territories.
Includes Newfoundland.

⁴ Under this heading are included only those head offices which are not located at the plant.

TABLE 51. Principal Statistics of Manufacturing Industries, by Industrial Groups, classified by Number of Employees per Establishment, 1958

Industrial group, by size	Estab- lish- ments	Employees	Salaries	Cost of	Cost at plant	
			and wages	fuel and electricity	of materials used	Selling value of factory shipments
	nun	nber	\	do	llars	
Canada; Under 5 employees 5 to 14 employees 15 " 49 " 50" 99 " 500" 499 " 500" 499 " 500" 499 " 500" 1,000 " 1,499 " 500 " 1,500 and over Not classifiable 1	9,820 6,452 2,149 1,212 775 248 64 55 810	33,747 81,410 172,849 149,195 168,145 238,246 171,711 80,193 176,392	69,305,224 234,191,619 547,052,627 485,939,815 578,190,460 902,389,449 707,162,774 339,948,628 831,651,295	7,507,236 20,986,556 43,449,742 39,353,644 56,111,580 111,950,800 120,268,031 50,660,514 99,016,402	227,745,319 603,213,593 1,321,311,827 1,223,991,371 1,501,476,707 2,378,497,679 1,811,508,648 980,404,327 1,768,563,119 4,852,881	367,885,371 1,058,195,984 2,418,402,491 2,263,825,056 2,805,065,560 4,505,027,323 3,508,926,101 1,746,146,491 3,483,655,741 6,056,190
Head office ²	-	17,714	106,664,269	4,027	_	_
Totals	36, 741	1, 289, 602	4, 802, 496, 260	549, 308, 532	11,821,567,471	22,163,186,308
Foods and beverages:. Under 5 employees	2,651 1,179 350 213 119 37	9,395 21,028 31,054 24,374 29,680 35,407 24,599 13,783 1,125	19,708,544 54,848,541 90,006,240 78,967,815 97,362,478 128,515,920 89,088,816 57,732,071 7,059,171	3,827,520 9,377,575 13,398,557 8,884,864 10,169,390 10,481,784 7,058,060 3,679,171 4,027	126, 277, 835 278, 573, 676 444, 218, 839 379, 939, 314 448, 091, 415 582, 794, 187 365, 432, 891 313, 984, 34	168,881,423 405,068,846 665,542,053 593,584,417 741,297,480 907,513,916 591,055,646 455,945,5
Totals	8,417	190,445	623, 289, 596	66, 880, 948	2, 939, 312, 503	4, 528, 889, 289
Tobacco and tobacco product; Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 and over Head offices²	4 8 4 6 6 6	10 39 231 309 986 1,871 6,869 4	15, 314 72, 013 603, 760 941, 240 2, 727, 066 5, 775, 031 27, 000, 113 9, 065 37, 143, 602	651 11,334 29,457 24,642 204,998 178,798 451,502 901,382	11,540 171,480 4,875,018 2,483,451 59,480,993 46,371,572 92,649,480	29,962 321,539 6,438,244 3,486,200 67,100,941 61,825,084 165,936,666 — 305,138,636
Rubber products: Under 5 employees 5 to 14 employees 15 " 49 " " 50" 99 " " 200" 499 " " 500" 999 " 1,000 and over Totals	11 18 10 8 9 11 4	44 96 459 668 1,114 3,404 7,749 6,409	106, 320 313, 400 1, 606, 393 2, 062, 636 3, 863, 423 12, 826, 081 28, 023, 126 27, 643, 624 76, 445, 003	11, 433 16, 114 93, 811 201, 730 380, 887 861, 165 1, 483, 903 1, 980, 370 5, 029, 413	201,706 1,031,750 3,201,554 3,285,173 8,166,387 15,771,709 35,554,523 61,359,814 128,572,616	420,135 1,730,287 6,169,220 7,294,578 18,492,564 42,544,934 82,730,377 149,001,101 308,383,196
Leather products: Under 5 employees	122 163 89 58	315 1,139 4,699 6,492 8,125 9,381 30,151	686,684 2,651,432 11,532,745 15,934,078 21,129,370 26,749,490 78,683,799	48,622 96,703 370,875 420,684 504,754 832,769	1,448,253 3,897,487 18,819,515 23,666,789 34,687,488 42,144,204 124,663,736	2,741,199 7,984,075 36,106,416 48,113,293 68,564,048 83,317,734 246,826,765
Textile products: Under 5 employees	276 233 71 58 47 14 7 3	462 2,370 6,457 4,853 8,466 14,594 9,340 8,671 5,892 2,367	1,014,383 6,066,545 18,429,636 14,208,027 25,256,566 43,037,546 27,053,933 26,522,870 19,731,574	60,318 345,858 1,178,484 988,995 1,720,644 3,179,547 2,278,230 2,342,292 2,845,915	2,372,027 11,910,490 48,163,669 37,152,661 61,583,924 83,024,299 47,733,346 75,181,622 27,499,065	4, 365, 818 22, 763, 105 83, 271, 496 61, 845, 310 105, 810, 087 158, 819, 425 95, 345, 474 139, 512, 689 66, 957, 310

See footnote at end of table.

TABLE 51. Principal Statistics of Manufacturing Industries, by Industrial Groups, classified by Number of Employees per Establishment, 1958 — Continued

	per Establ	ismient, 19	58 - Continue	u		
Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	nber		do	ollars	
Clothing: Under 5 employees	469 645 858 306 132 42 8	1,193 5,697 24,202 21,334 17,634 11,545 5,824	3,245,094 15,441,432 60,539,440 52,539,330 41,355,100 28,684,861 14,665,796 1,501,832	115,344 330,229 909,616 696,485 597,312 362,666 147,966	13,797,268 41,123,917 105,459,532 91,235,657 71,544,204 45,612,965 20,470,153	20,733,952 70,063,011 202,538,513 176,544,358 141,088,006 91,973,406 45,368,213
Totals	2,460	87, 740	217, 972, 885	3, 159, 618	389, 243, 696	748, 309, 459
Knitting mills: Under 5 employees 5 to 14 employees 15" 49 " 50" 99 " 100" 199 " 200" 499 " 500" 999 " Head offices²	34 58 113 57 34 22 3	99 515 3,180 3,973 4,967 6,204 1,694 304	230,550 1,176,822 7,623,128 9,268,555 12,308,738 14,557,308 3,538,739 1,125,329	14,534 59,499 266,975 459,576 386,072 504,337 170,438	729,357 3,008,096 14,386,652 18,204,994 21,622,139 24,106,491 6,552,659	1,283,366 5,113,823 27,786,014 34,397,518 41,672,414 51,062,639 12,260,801
Totals	321	20, 936	49, 829, 169	1,861,431	88, 610, 388	173,576,575
Wood products: Under 5 employees 5 to 14 employees	6,072 2,173 1,113 311 120 49 10	11,956 17,821 29,052 21,125 16,189 14,990 8,757 1,032	16,613,251 44,968,893 88,677,609 68,070,090 54,528,800 54,061,336 36,193,826 6,467,744	1,633,711 3,933,067 6,074,314 3,755,962 2,485,048 1,585,601 1,365,799	36,893,204 96,757,986 197,444,065 137,384,349 94,848,358 82,319,088 71,815,46	69,363,413 177,674,408 352,713,476 257,587,423 183,040,360 177,730,384 125,484,15
Totals	9, 848	120, 922	369, 581, 549	20, 833, 502	717,462,536	1,343,593,579
Paper products; Under 5 employees	46 99 147 79 73 68 34 12 4	127 912 4,180 5,797 10,186 22,405 24,314 15,710 6,315 2,989	335, 186 2, 688, 120 13, 182, 592 19, 100, 841 37, 336, 746 91, 937, 424 115, 567, 078 75, 855, 541 31, 506, 879 22, 067, 828	20,587 185,495 1,053,687 2,600,824 4,750,267 22,952,329 40,858,625 28,961,912 8,984,635	1,102,727 7,986,528 32,531,426 60,102,669 101,719,946 228,379,457 252,503,124 146,967,260 51,862,921	1,835,893 13,590,275 60,766,342 110,322,353 179,921,895 457,572,842 570,697,409 351,706,702 143,046,682
Totals	5 62	92, 935	409, 578, 235	110,368,361	883, 156, 058	1,889,460,393
Printing publishing and allied industries; Under 5 employees	1,715 1,132 514 135 74 38 10 5	3,870 9,229 12,952 9,636 9,901 12,099 7,317 7,155	10,062,158 30,375,594 48,353,109 36,854,242 40,595,869 50,834,898 33,434,959 37,083,820	365,082 750,358 1,072,030 826,890 828,997 929,037 460,817 586,539	12,959,367 26,396,913 38,839,985 27,825,579 32,038,977 41,802,565 34,271,060 29,257,131 4,852,881	30,170,073 74,461,589 118,921,589 90,456,223 104,212,312 139,918,638 97,756,645 100,150,001 6,056,190
Totals	4,433	72,221	287, 971, 245	5, 819, 750	248, 244, 458	762,103,369
Iron and steel products; Under 5 employees 5 to 14 employees 15 " 49 " 50" 99 " 100" 199 " 200" 499 " 500" 999 " 1,000" 1,499 " 1,500 and over Head offices²	836 1,012 807 253 166 134 29 8	2, 129 8, 804 21, 478 17, 672 23, 030 42, 414 20, 240 9, 862 33, 518 293	6, 161, 053 30, 684, 934 81, 683, 706 69, 993, 296 92, 998, 548 176, 677, 506 89, 430, 741 42, 352, 617 165, 477, 177 1, 713, 656	415, 938 1, 535, 471 3, 887, 873 3, 244, 259 5, 533, 151 9, 928, 254 5, 785, 476 2, 365, 367 23, 859, 375	7,603,653 39,852,426 123,660,146 117,142,548 169,976,487 309,793,330 145,721,535 84,720,694 272,239,401	18,732,446 93,308,016 270,992,926 248,567,085 350,290,720 649,837,027 324,117,566 157,246,988 592,590,025
Totals	3,254	179,440	757, 173, 234	56,555,164	1,270,710,220	2, 705, 682, 799

See footnotes at end of table.

TABLE 51. Principal Statistics of Manufacturing Industries, by Industrial Groups, classified by Number of Employees

per Establishment, 1958 - Continued

	per Establ	ishment, 19	38 - Continued	1		
	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	ber		do	llars	
Transportation equipment: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 1,000 " 1499 " 1,500 and over Head offices ²	176 134 138 51 43 34 25 7	429 1,155 3,764 3,484 5,951 10,592 16,913 8,228 74,888 572	1, 133, 385 3, 728, 581 14, 060, 933 13, 736, 917 23, 172, 659 44, 416, 594 71, 630, 132 33, 229, 567 344, 242, 342 4, 074, 322	65,541 177,380 586,405 527,457 894,133 2,153,011 2,776,499 1,737,176 11,832,547	2,332,200 4,883,004 18,376,389 20,656,118 36,004,941 65,156,309 128,806,236 98,831,421 778,522,769	4,252,056 10,763,115 40,994,070 42,924,051 78,309,692 141,174,404 224,835,275 144,702,865 1,387,952,26
Totals	626	125,976	553, 425, 432	20,750,149	1, 153, 569, 387	2,075,907,784
Non-ferrous metal products: Under 5 employees	159 181 127 53 29 22 12 4 6	392 1,545 3,419 3,523 4,098 7,123 8,283 5,179 16,991 848	1,083,740 5,239,873 12,272,052 12,373,568 14,696,668 29,929,715 38,844,719 24,160,49 82,415,544 5,598,103	77, 948 266, 159 787, 959 858, 301 2, 221, 401 7, 546, 647 19, 947, 277 6, 095, 393 31, 959, 357	2,236,128 9,548,572 38,679,334 30,009,748 87,326,503 139,190,016 191,146,539 155,228,989 277,565,325	4, 325, 113 18, 034, 132 60, 445, 962 51, 956, 373 115, 675, 126 207, 341, 100 330, 521, 857 128, 355, 918 614, 541, 460
Totals	593	51,301	226,614,472	69, 760, 442	930, 931, 154	1,531,197,041
Electrical apparatus and supplies: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,500 and over Head offices ³	_,	149 774 4,156 4,197 7,171 16,619 15,133 3,513 22,730 502	424,577 2,711,997 14,700,508 13,855,662 26,741,177 64,505,514 63,900,031 13,533,977 112,865,795 3,118,535	31, 495 126, 604 801, 425 563, 077 948, 332 2, 174, 879 2, 388, 549 11, 839, 109	2, 726, 199 4, 545, 728 39, 223, 513 31, 275, 768 50, 615, 291 133, 438, 176 98, 672, 535 17, 050, 361 96, 355, 089	4,100,853 9,543,260 68,715,919 59,728,805 100,661,247 250,043,648 220,985,256 41,681,316 259,956,432
Totals	492	74, 944	316, 357, 773	9, 191, 597	473, 902, 660	1,015,416,736
Non-metallic mineral products: Under 5 employees 5 to 14 employees 15 " 49 " " " " " " " " " " " " " " " " "	383 407 294 71 52 32 9 —	940 3,399 7,777 4,899 7,411 8,901 6,751 780	2,152,845 10,215,406 28,652,226 18,852,469 32,285,426 37,375,275 27,997,805 4,280,175	350, 456 2, 112, 206 7, 927, 368 5, 868, 577 13, 612, 173 13, 612, 373 8, 692, 054 — 52, 175, 207	3,842,387 24,569,341 45,507,000 26,118,900 41,897,140 45,280,359 31,468,817 — 218,683,844	9,054,345 41,956,996 118,411,553 76,048,339 143,745,300 152,375,338 95,104,459
Products of petroleum and coal: Under 5 employees 5 to 14 employees 15 " 49 " " " " " " " " " " " " " " " " "	15 27 22 17 10 18 6	39 244 652 1,217 1,491 5,818 4,119 3,847	142,570 956,414 2,951,084 5,512,370 7,437,187 29,080,111 21,239,382 22,171,388	50,592 231,976 729,666 4,014,621 2,731,002 25,193,528 23,449,425	696,038 4,701,179 14,197,663 61,390,145 63,153,712 377,324,159 372,994,617	1,178,280 7,879,861 27,070,150 82,882,168 110,498,838 531,901,773 704,998,291
Totals	115	17, 427	89, 490, 506	56,400,810	894, 457, 513	1,466,409,361
Chemicals and allied products: Under 5 employees 5 to 14 employees 15 " 49 " 50" 99 " 100" 199 " 200" 499 " 500" 999 " 1,000 and over Head offices²		769 2,708 7,166 7,962 7,127 10,330 10,773 5,334 2,401	2,199,598 9,946,576 27,791,213 30,995,239 29,178,339 45,946,149 48,627,588 25,085,683 14,048,945	172,246 726,560 3,153,168 4,558,539 7,569,017 8,902,310 12,806,561 9,948,470	7,553,313 29,458,500 93,618,998 112,128,896 97,680,814 97,881,528 109,988,657 41,005,288	14, 921, 434 60, 906, 344 185, 667, 849 226, 367, 492 202, 895, 003 248, 234, 659 252, 610, 018 101, 818, 893
Totals	1,143	92,010				

See footnotes at end of table.

TABLE 51. Principal Statistics of Manufacturing Industries, by Industrial Groups, classified by Number of Employees per Establishment, 1958 - Concluded

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
Miscellaneous manufacturing industry:	nun	nber		do	llars	
Under 5 employees 5 to 14 employees 15 " 49 " " 50 " 99 " " 100 " 199 " " 200 " 499 " 500 and over Head offices²	643 474 309 113 34 21	1,429 3,935 7,999 7,680 4,618 5,835 4,257 249	3,989,972 12,105,046 24,462,053 22,673,440 15,216,300 21,041,525 19,523,505 968,914	246,123 683,386 1,147,749 858,161 574,002 618,721 441,055	4,992,262 14,857,605 40,227,974 41,988,708 21,039,988 23,399,652 23,560,282	11,601,912 36,934,784 86,376,197 88,096,427 51,879,527 63,120,595 55,563,148
Totals	1,599	36,002	119, 980, 755	4,569,197	170, 066, 471	393, 572, 590

Consists of the industry "Publishing (only) of Periodicals".
 Under this heading are included only those head offices that are not located at the plant.

Size of Establishment in Leading Industries. - Table 52 summarizes the degree of concentration in some of the leading industries of Canada. Concentration is extremely marked in the case of motor vehicles, non-ferrous metal smelting and refining, railway rolling-stock, cotton yarn and cloth, primary iron and steel, pulp and paper, and heavy electrical machinery; whereas

in the case of women's factory clothing, miscellaneous food preparations, furniture, butter and cheese, bread and other bakery products, fruit and vegetable preparations, sawmills and men's factory clothing, the degree of concentration is low. This concentration is analysed in detail for each of the twentyfive leading industries in the tables following.

TABLE 52. Percentage Importance of Establishments, each Employing 200 or more Persons in the Twenty-Five Leading Industries, 1958

No.	Industry	Number of such establishments	Percentage of total number in the industry	Percentage of total shipments in the industry
1	Pulp and paper mills	82	64.1	94.7
2	Petroleum refining products	19	26.8	85.8
3	Non-ferrous metal smelting	21	84.0	97.5
4	Slaughtering and meat packing	34	19.1	76.5
5	Motor vehicles	8	53.3	98.9
6	Iron and steel mills	16	32.0	92. 2
7	Sawmills	20	0.3	
8	Butter and cheese factories	20	1.6	27.5
9	Aircraft and parts	20	26.7	21.7
10	Electrical apparatus miscellaneous	25	14.0	94.8
11	Food preparations miscellaneous	5	1.7	74. 2
12	Bakeries	27		21.1
13	Sheet metal products	19	1.0	32.7
14	Printing and publishing	29	4.0	46.3
15	Machinery industrial	27	3.9	67.5
16	Furniture		7.1	49.6
17	Rubber goods	17	0.9	15.4
18	Railway rolling stock	24	27.0	88.9
19	Motor vehicle parts	20	69.0	96.5
20	Paper boxes and bags	20	9.7	68. 2
	Fruit and vegetable preparation	19	8.5	40.0
	Clothing men's factory	9	2.3	36.0
		33	6.0	36.2
	Industrial chemical manufacturing	14	23.7	64.2
25	Printing and bookbinding	14	0.8	24.9
	Iron foundries	20	10.6	68.8

Subsection 7. Fuel and Power Consumption

Cost of Fuel and Electricity. — Fuel is used quite generally throughout the industrial field for the generation of power by means of steam and internal combustion engines. It is also used for the heating of plants, and for providing the heat necessary to some manufacturing processes. The most important industries where heat is applied to the materials to facilitate or accomplish the desired transformation are foundries and machine shops, brick, tile, lime, and cement-making, petroleum refining, the glass industry, distilleries, food preparation, rubber goods, etc. Fuel used for such heating purposes, as well as for power, is included in the figures of Table 53. In addition to the electricity used for ordinary power purposes, the figures include also the electricity used for heating boilers in the pulp and paper industry. Consumption of surplus energy in electric boilers increased rapidly during the years preceding the Second World War.

The figures of the table do not include coke charged to iron-blast furnaces or foundry cupolas. Neither do they include fuels that constitute the raw materials to be transformed, as coal in the coke and gas industries and crude petroleum in the refining industry.

The value of purchased fuel consumed increased 475 p.c. from 1939 to 1958. Part of the increase was due to an increase in the quantity used and part to the rise in the unit cost of fuels of all kinds. The cost of electricity purchased, on the other hand, has increased during the same period by 318 p.c. The groups of industries in which fuel was most extensively used in 1958 were: paper products, products of petroleum and coal, foods and beverages, non-metallic mineral products, iron and steel products, non-ferrous metal products and chemicals and allied products.

Of the total cost of purchased fuel and electricity for Canada as a whole in 1958, 61 p.c. was for fuel and 39.0 for electricity. Percentagewise, Nova Scotia with 78.0 p.c. of the Provincial total was the largestuser of fuel, while Quebec with 50.6 p.c. was the smallest. Provinces lacking in water power resources naturally have to rely on fuel for power, and for this reason the percentage that fuel is to the total is much higher than in Provinces such as Quebec where there is an abundant supply of water for Power purposes. In the Provinces of Prince Edward Island, Nova Scotia, New Brunswick, Saskatchewan, and Alberta, primary power produced from fuels is an important factor in power utilization.

Power Consumption. — Power consumed by the manufacturing industries, purchased power as well as power generated for own use, totalled 52.7 billion kwh. in 1958, an increase of 171 p.c. as compared with 1939. Of the total consumed Quebec used 50.5 p.c., Ontario 26.2 p.c., British Columbia 14.8 p.c., Newfoundland 1.8 p.c., New Brunswick and Alberta 1.7 p.c. and Manitoba 1.4 p.c.

The paper products group with 35.6 p.c. of the total was the largest user of electric power in 1958, displacing the nonferrous metal products group which held the premier position in the past. The paper products group is also the largest user of purchased fuel and electricity. The non-ferrous metal products group was the second largest user of electric power in 1958 with 31.2 p.c. of the total, followed by chemicals and allied products with 10.8 p.c., iron and steel products 5.3 p.c., non-metallic mineral products 4.1 p.c., foods and beverages 3.3 p.c. etc.

Table 53 gives details of purchased fuel and electricity as well as the kwh. consumption by industrial groups and provinces. Table 54 and 55 give details of power equipment and Tables 56 and 57 details of fuel consumption for selected years from 1926 to 1958.

Power Equipment. — Power equipment installed in manufacturing establishments is a very good barometer of the industrial development of Canada, inasmuch as production is increasingly dependent on power equipment. Increases and decreases in productive capacity, measured in horse-power, are not the result of temporary fluctuations in cost and values in the same manner as capital investments, values of products, etc. Of course, power equipment installed is not a measure of the actual utilization of power for there is generally an excess

over actual requirements, i.e., over power equipment in operation. Producers must have an installed operating margin in excess of normal requirements to provide for booming business conditions or breakdown of part of the plant. In times of depression this margin increases. During short periods of expanded production, the number of horse-power per wage-earner tends to decrease in view of the fact power equipment is not immediately increased, the expanded production being secured through overtime work or an increase in the number of shifts worked.

Of the total increase in power equipment employed in manufacturing industries between 1939 and 1953, 75 p.c. was in electric motors operated by power purchased from central electric stations. However, some sections of Canada are not well provided with water power and in such sections primary power derived from steam engines or turbines, and internal combustion engines - which include all gasoline engines, gas engines (natural, coal, and producer gas), and compressionignition engines - also has increased rapidly during the period covered. During the period 1939-1953 there was an increase of 31 p.c. in the capacity of hydraulic turbines and water wheels, 56 p.c. in the capacity of steam engines and steam turbines, 115 p.c. in the capacity of electric motors, while internal combustion engines increased more than fivefold. The collection of statistics on power equipment was discontinued in 1949, but was collected again for 1953.

Another survey on power equipment was made for the year 1958. This survey was based on the recommendations of the Statistical Commission of the Economic and Social Council of the United Nations. In accordance with these recommendations the classification of the equipment was as follows:

Type of equipment	Driving generators	Not driving generators
	h.	p.
A. Prime movers:		
1. Steam engines		
2. Steam turbines		
3. Diesel engines		
4. Gasoline, gas and oil engines, other than diesel engines		
5. Hydraulic turbines or water wheels		
Totals .		
B. Electric motors (one quarter horse- power and over)		

Electric motors plus prime movers not driving generators is taken as the total available power equipment.

Prior to 1958 the classification of the power equipment was as follows:

A. Primary equipment:
Steam engines and turbines
Internal combustion engines
Hydraulic turbines and water wheels

Total primary equipment

B. Electric motors:

Operated by purchased power Operated by power generated by the reporting establishment

In this case the total of the primary equipment plus electric motors operated by purchased power was taken as the available power equipment.

As far as total available equipment these two systems of classification give fairly comparable results. No historical comparisons, however, can be made for the various types of equipment in use, since in this case the basis of classification is different. For manufacturing as a whole the total power equipment in use as at the end of 1958 totalled 12,046,697 h.p. as compared with 10,397,703 h.p. in 1953. Available equipment per production worker rose from 9.87 to 12.27 during this period.

TABLE 53. Value of Fuel and Electricity Used by the Manufacturing Industries of Canada, 1939-57 with Details by Provinces and Industrial Groups, 1958

Note: Includes fuel and electricity used in smelters for metallurgical purposes

	Value of	Value of		Consum	ption of electric	power¹
Year, province and group	purchased fuel	purchased electricity	Total	Purchased	Generated for own use	Total
		dollars			M kwh.	
1939	57, 063, 131	50, 509, 121	107, 572, 252	17, 072, 764	2,357,669	19,430,433
1940		58, 429, 262	136, 980, 175	17, 954, 995	2,640,918	20, 595, 913
1941	102, 886, 816	71, 754, 501	174,641,317	20, 289, 238	2,840,841	23, 130, 079
1942	121,512,643	85, 205, 846	206,718,489	23, 650, 840	3, 345, 443	26, 996, 283
1943	134,004,345	91, 950, 030	225, 954, 375	26, 399, 730	3,211,610	29, 611, 340
1944	137, 883, 770	87,699,383	225, 583, 153	25,777,238	2, 752, 124	28,529,362
1945	128, 384, 255	83,999,865	212, 384, 120	23, 986, 993	2,362,260	26, 349, 253
1946	127, 179, 620	83, 273, 105	210, 452, 725	25, 250, 876	2,714,261	27,965,137
1947	163, 813, 503	90, 876, 176	254,689,679	26, 728, 239	3,467,535	30, 195, 774
1948	209, 063, 839	94,475,355	303, 539, 194	24, 907, 413	4,590,676	29,498,089
1949	208,776,571	97, 019, 231	305, 795, 802	25,067,855	5,898,390	30,966,245
1950	229, 993, 079	106, 940, 541	336, 933, 620	27, 482, 129	6, 266, 050	33,748,179
1951	252, 573, 952	124, 140, 044	376, 713, 996	31, 243, 249	6, 369, 094	37, 612, 343
1952	257, 443, 536	135, 537, 806	392, 981, 342	32,418,626	6,450,729	38, 869, 355
1953	259, 212, 493	152, 576, 328	411, 788, 821	34, 226, 135	6,901,443	41, 127, 578
1954	265, 242, 482	159, 189, 746	424, 432, 228	36, 362, 3162	6,072,6342	42, 434, 950
1955	282, 828, 016	174, 961, 454	457, 789, 470	38, 812, 0102	6,001,5632	44, 813, 573
1956	333, 304, 628					
1957		190, 636, 078	523, 940, 706	40, 251, 8722	6,589,4632	46,841,335
1937	355, 483, 917	199, 827, 871	555, 311, 788	41,694,7542	6,363,4832	48, 058, 237
Provinces, 1958						
Large establishments						
Newfoundland	3,742,989	3, 063, 746	6,806,735	615, 364	312,712	928,076
Prince Edward Island	248,600	127, 591	376, 191	5, 356	-	5,356
Nova Scotia	10,785,702	2, 969, 298	13,755,000	362,945	110,453	473,398
New Brunswick	9,538,208	3,320,770	12, 858, 978	486,034	396, 790	882,824
Quebec	90, 988, 449	89, 192, 532 76, 734, 666	180, 180, 981 238, 232, 354	24, 825, 770 11, 279, 381	1,520,888 2,205,770	26, 346, 658 13, 485, 151
Manitoba		4, 489, 961	12, 520, 287	700, 467	5, 565	706, 032
Saskatchewan		2,946,210	8,643,873	455, 296	2,590	457, 886
Alberta	10, 941, 209	5,320,953	16, 262, 162	612,765	235,014	847,779
British Columbia	26, 327, 645	22, 983, 917	49, 311, 562	5, 887, 188	1,833,034	7,720,222
		13, 968	371,449	575	1,354	1, 929
Canada	328, 155, 960	211, 163, 612	539, 319, 572	45, 231, 141 ²	6, 624, 1702	51, 855, 311
Small establishments						
Newfoundland	74, 246	21,738	95, 984	4,600	_	4,600
Prince Edward Island	30,264	12, 987	43, 251	2,800	-	2,800
Nova Scotia	179,317	120,574	299, 891	25,800	-	25,800
New Brunswick Quebec	186,506 1,782,134	116, 642 1, 413, 368	303, 148 3, 195, 502	25,000 302,600	_	25,000 302,600
Ontario		1,413,508	3, 667, 165	319,800	_	319,800
Manitoba	222,692	166,386	389,078	35,700	_	35,700
Saskatchewan	1	101,304	301, 253	21,700	-	21,700
Alberta		224, 415	443, 519	48,000	-	48,000
Pritish Columbia						
British Columbia	751, 444 3, 040	493, 975 1, 710	1,245,419 4,750	105,700		105,700

See footnotes at end of table.

TABLE 53. Value of Fuel and Electricity Used by the Manufacturing Industries of Canada, 1939 - 57 with Details by Provinces and Industrial Groups, 1958 - Concluded

Voca province and accomm	Value of	Value of		Consun	nption of electric	c power¹
Year, province and group	purchased fuel	purchased electricity	Total	Purchased	Generated for own use	Total
Yesharda Languaga (Ann		dollars			M kwh.	
Industrial groups, 1958						
Large establishments	45 505 400					
Foods and beverages	47, 505, 469	16, 055, 291	63, 560, 760	1, 367, 526	87, 911	1,455,43
Pobacco and tobacco products	511, 400	389, 982	901, 382	36, 897	_	36, 89
Rubber products	2, 521, 104	2, 502, 991	5,024,095	314,255	7,646	321,90
Leather products	1, 329, 605	934,000	2, 263, 605	59, 977	100	60,07
Cattling mills	8, 737, 597	6, 113, 450	14,851,047	757, 055	61,531	818,58
(nitting mills	1, 209, 629	650, 138	1, 859, 767	42, 275	_	42, 27
Clothing	1,487,338	1,535,464	3,022,802	74, 799		74,79
Wood products	9, 948, 178	8, 216, 434	18, 164, 612	550, 165	200,408	750,57
Paper products	57,669,863	52,641,237	110, 311, 100	14,023,195	4,745,327	18,768,52
Printing, publishing and allied industries	2,411,330	2, 402, 677	4,814,007	155,951	-	155,95
ron and steel products	34,642,253	20,821,957	55, 464, 210	2,583,567	102, 173	2,685,74
Transportation equipment	12, 875, 350	7, 748, 721	20,624,071	789, 569	81,657	871,22
Non-ferrous metal products	26, 750, 445	42, 835, 353	69, 585, 798	15,410,639	1,038,455	16,449,09
Electrical apparatus and supplies	4,525,126	4,590,390	9, 115, 516	477,070	13,698	490,76
Jon-metallic mineral products	38, 148, 564	13, 395, 027	51, 543, 591	2, 109, 083	15, 723	2, 124, 80
Products of petroleum and coal	49,460,906	6,939,904	56,400,810	897, 762	1,234	898,99
Chemicals and allied products	26, 200, 544	21,405,703	47,606,247	5, 432, 684	264,530	5,697,21
fiscellaneous industries	2,221,259	1,984,893	4, 206, 152	148,672	3,777	152,44
Totals	328, 155, 960	211, 163, 612	539, 319, 572	45, 231, 141	6, 624, 170	51, 855, 31
Small establishments						
roods and beverages	1,940,017	1,380,171	3,320,188	295,400	-	295,40
obacco and tobacco products	_	- 1	-	_ :	-	-
Subber products	2,992	2,326	5,318	500	-	50
eather products	5, 341	5,461	10,802	1, 200	-	1,20
extiles	53, 169	36,067	89, 236	7,800	-	7,80
Initting mills	902	762	1,664	200	- 1	20
Clothing	53,604	83, 212	136,816	17, 900	-	17, 90
ood products	1,730,834	938, 056	2,668,890	200,800	- 1	200,80
aper products	31,414	25,847	57, 261	5,500	_	5,50
rinting, publishing and allied industries	416, 355	589, 388	1, 005, 743	126, 100	-	126, 10
on and steel products	604, 326	486,628	1,090,954	104, 200	-	104, 20
ransportation equipment	71, 984	54,094	126, 078	11,500		11,50
on-ferrous metal products	112, 125	62, 519	174, 644	13, 400	_	13,40
Electrical apparatus and supplies	40,778	35, 303	76,081	7,600	_	7,60
on-metallic mineral products	436, 286	195, 330	631, 616	41,800	_	41,80
roducts of petroleum and coal	-			-	_	-
Phemicals and allied products	146,554	84,070	230, 624	18,000		18, 00
(iscellaneous industries	175, 622	187,423	363, 045	40, 100	_	40, 100
Totals	5, 822, 303	4, 166, 657	9, 988, 960	892,000		892,000
A Utd.10	0,000,003	7, 100, 001	0,000,000	00%, 000		00%, 00

¹ For 1958 small establishments were required to report only the value of purchased power, without giving the number of kwh. consumed. Estimates were, therefore, made of the kwh. consumption of these establishments, These estimates are based on the cost per kwh, reported by the large establishments which for manufacturing as a whole amounted to 4.67 cents per kwh, in 1958. The value of purchased electricity reported by small establishments was only about 2 p.c. of the total for manufacturing as a whole. It was also assumed that no power for own use was generated by small

² Since 1954 electricity previously reported as "Generated for own use" in the Fertilizer Industry in British Columbia, has been treated as "Electricity purchased". Of the total "Generated for own use and for sale", approximately 1,905,000 M kwh. were generated by thermal plant and 4,790,000 M kwh. by hydro-electric plant.

TABLE 54. Power Equipment Installed in the Manufacturing Industries of Canada, 1926-48, with Details by Provinces and Industrial Groups, 1953

17 101	Details by	Tiovinces	and muus	stilai Giouj	ps, 1333					
Year and province or group	Steam engines and turbines	Internal combustion engines	Hydraulic turbines and water wheels	Total	Electric motors operated by purchased power	Total power equipment	Electric motors operated by power generated by establishments reporting	Total electric motors		
	horsepower									
Totals, 1926	698, 343	56, 068	603,618	1,358,029	1,764,348	3,122,377	391,708	2, 156, 056		
1929	762,697	60,841	645, 270	1,468,808	2,386,840	3,855,648	495, 921	2,882,761		
1933	738, 297	76,583	657, 683	1, 472, 563	2, 662, 445	4, 135, 008	497,392	3, 159, 837		
1937	834,703	98, 233	649,557	1,582,493	3, 129, 790	4,712,283	602,955	3, 732, 745		
1939	827, 801	121,997	731,390	1,681,188	3,364,099	5,045,287	694, 450	4,058,549		
1944	1,013,615	288,312	729, 216	2,031,143	4, 437, 296	6, 468, 439	779, 717	5, 217, 013		
1946	1,032,639	368,458	732,859	2, 133, 956	4, 649, 993	6, 783, 949	820, 371	5, 470, 364		
1948	1,076,411	544,888	1, 150, 308	2,771,607	5,387,807	8, 159, 414	931,312	6,319,119		
Provinces, 1953										
Newfoundland	16,015	14, 468	235, 935	266, 418	15,557	281,975	225,504	241,061		
Prince Edward Island	651	3,323	632	4,606	3,034	7,640	-	3,034		
Nova Scotia	58,880	38,590	13,100	110,570	144,638	255, 208	82,711	227, 349		
New Brunswick	96, 125	26,070	14,030	136, 225	186, 253	322, 478	88, 556	274, 809		
Quebec	233,411	111, 508	253,880	598,799	2,887,658	3,486,457	173,419	3,061,077		
Ontario	554,856	168,009	316,958	1,039,823	3, 108, 826	4, 148, 649	423, 112	3,531,938		
Manitoba	10,675	14,907	28	25,610	207, 057	232, 667	6,219	213, 276		
Saskatchewan	17, 168	30,355	-	47, 523	65, 845	113,368	1,997	67, 842		
Alberta	67, 015	94,608	_	161,623	176,037	337,660	23,620	199,657		
British Columbia	236, 959	238, 120	127, 065	602, 144	606,857	1,209,001	278, 403	885, 260		
Yukon and Northwest Territories	_	2,354	_	2,354	246	2,600	_	246		
Totals	1, 291, 7551	742, 312	961, 628	2, 995, 695	7, 402, 008	10,397,703	1, 303, 541	8, 705, 549		
Industrial groups, 1953					,					
Foods and beverages	76,515	53,946	22,074	152,535	623,869	776,404	50,343	674,212		
Tobacco and tobacco products	466	375	_	841	10,345	11, 186	_	10,345		
Rubber products	6,038	182	1,500	7,720	134, 452	142, 172	270	134, 722		
Leather products	1,770	193	150	2,113	41,667	43,780	370	42,037		
Textiles (except clothing)	29, 814	7,099	16,311	53, 224	311, 147	364,371	16,932	328,079		
Knitting mills	2, 936	462	1,790	5, 188	60,587	65,775	204	60,791		
Clothing, (textile and fur)	643	235	-	878	25,693	26, 571	_	25,693		
Wood products	257, 627	522, 452	31,836	811,915	441, 268	1, 253, 183	94, 301	535,569		
Paper products	361,680	7,412	872, 557	1,241,649	2,331,436	3,573,085	926,613	3, 258, 049		
Printing, publishing and allied industries	619	1,043	_	1,662	78,320	79,982	_	78,320		
Iron and steel products	178,364	47,651	263	226, 278	1,049,778	1, 276, 056	72, 149	1, 121, 927		
Transportation equipment	124,320	10, 461	127	134, 908	460,305	595, 213	55,633	515, 938		
Non-ferrous metal products	20,570	358	-	20, 928	670, 914	691,842	6, 195	677, 109		
Electrical apparatus and supplies	8,372	6,646	3,975	18,993	240,343	259,336	-	240,343		
Non-metallic mineral products	12,003	46,333	716	59, 052	287,661	346, 713	5,789	293,450		
Products of petroleum and coal	116,324	22,971	6	139,301	158, 884	298, 185	14, 260	173,144		
Chemicals and allied products	. 89,754	14, 035	10,323	114, 112	417,095	531, 207	59,082	476, 177		
Miscellaneous industries	3,940	458	-	4,398	58, 244	62,642	1,400	59, 644		

¹ Includes "Steam engines" 365,992 hp. and "Steam turbines" 925,763 hp.

TABLE 55. Power Equipment Installed in the Manufacturing Industries of Canada, by Provinces and Industrial Groups, 1958

	., 1.0	Trices and	maastra	Groups, 1	.556			
		Prime	e movers not	driving gene	rators			
	Steam engines	Steam turbines	Diesel engines	Gasoline, gas and oil engines, other than diesel	Hydraulic turbines	Total prime movers	Electric motors	Total power equipment
Province				horse	power	1		
Province Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories	98 221 5,052 6,470 45,637 66,335 1,445 1,257 7,224 22,921	15, 30 11, 995 4, 167 84, 452 195, 871 2, 337 14, 673 52, 270 52, 275	5,752 1,762 11,429 9,268 43,559 68,300 10,994 6,717 22,630 113,593	6,352 1,015 18,748 6,919 40,828 155,647 17,685 29,917 61,040 93,776	22,063 513 1,572 6,256 60,115 25,151 115 208 112 16,568	34, 280 3, 541 48, 796 33, 080 274, 591 511, 304 32, 576 52, 772 143, 276 299, 133	234, 263 3, 303 198, 866 210, 545 3, 520, 476 4, 424, 530 243, 444 101, 404 283, 708 1, 383, 629	268,543 6,844 247,662 243,625 3,795,067 4,935,834 276,020 154,176 426,984 1,682,762
Canada	35 156, 695	2,000 420,085	1,983 295,987	530 432,457	132, 673	4,548 1,437,897	4,632	9, 180
					, , , , , , , , , , , , , , , , , , , ,		,,,	20,020,001
Industrial group Foods and beverages Tobacco and tobacco products Rubber products Leather products Textiles Knitting mills Clothing Wood products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries Miscellaneous industries	16, 433 240 1,895 123 1,754 269 10,55,873 10,354 4,340 6,011 397 67 2,913 14,551 16,550 931	9,415 1,018 173 795 14 70 14,623 65,472 117,923 3,988 6,880 5,22 1,295 179,028 17,709 1,160	22,887	23, 231 203 119 2, 368 3 166, 887 7, 877 7, 877 13, 387 5, 377 11, 214 633 97, 279 47, 037 38, 010 309	11,060 465 	83,026 240 3,931 5,187 286 800 475,329 198,680 20 162,845 19,204 19,691 2,142 216,322 249,721 98,248 2,420	741,460 20,229 147,812 44,047 292,191 23,275 26,790 544,411 3,928,249 108,113 1,498,043 577,487 992,793 214,759 468,811 333,268 585,952 61,110	824, 486 20, 469 151, 743 44, 572 297, 378 23, 561 26, 870 1, 019, 740 4, 126, 929 108, 133 1, 660, 888 596, 691 1, 012, 484 216, 90 216, 838 596, 691 1, 012, 484 216, 90 216, 90 36, 691 36,
		Prir	me movers dr	iving generat	cors			
Province								
Province Province Province Prince Edward Island Nova Scotia. New Brunswick Quebec Ontario. Manitoba Saskatchewan Alberta. British Columbia Yukon and Northwest Territories Canada.	3,323 2,853 15,070 32,142 2,160 353 1,112 5,675	22,800 10 15,140 129,409 91,250 253,044 6,608 6,810 81,199 209,615 50	3,829 45 4,137 3,516 9,723 24,135 256 9,224 7,214 47,022 5,324	184 6,970 386 3,587 18,404 	65,400 7,665 20,500 107,810 322,233 — — 139,480 — 663,088	92,313 55 37,235 156,664 227,440 649,958 9,024 17,229 110,944 411,198 5,374		-
Industrial group			ļ					
Foods and beverages Tobacco and tobacco products Rubber products Leather products Textiles Knittling mills Clothing Wood products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	6,750 	38,057 5,112 500 18,380 — 94,979 413,634 410 14,840 111,563 36,753 6,680 3,117 15,777 53,193 2,940	11, 118 —	820 -35 -33 -33 -11,077 516 12,537 1,396 963 175 8,204 7,076 18,359 6	5,977 400 150 9,765 826 4,316 609,149 — — — — — 2,900 11,100 5	62,722 5,547 650 31,433 863 11 190,890 1,047,246 871 32,467 122,068 45,666 12,636 17,801 43,364 99,723 3,486		

TABLE 56. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926 - 57 and by Province and Industrial Group, 1958

-		Province a		Coal				
	Year, province and group		Bituminous				Coke	Gasoline
No.		Canadian	Imported	Sub- bituminous	Anthracite	Lignite		
NO.				l	dollars			
		04 50	0.001	2	0 100 100	F00 000	4 157 005	000 404
1	19264	34, 50		2	2, 173, 178	533, 928	4, 157, 935	692, 404
2	19294	15,832,290	21,754,377		1,844,736	707, 058	2, 332, 823	430, 258
3	19334	7,571,912	10, 770, 107	2	1,033,154	522,626	1, 574, 426	254, 510
4	19375	15,648,467	16, 255, 262	2	1, 253, 376	759,600	5, 169, 524	799,060
5	1939	15,744,444	13, 386, 496	2	1, 151, 278	740, 593	4, 870, 875	1, 208, 131
6	1944	19, 785, 479	55, 667, 410	2	2, 231, 277	1,522,417	7, 909, 168	7, 278, 337
7	1946	17, 633, 047	48, 211, 575	425,020	1,812,744	1,442,277	6, 884, 833	8,425,418
8	1948	28, 160, 528	73, 315, 170	440,737	2,274,727	1,598,940	9, 575, 838	13,442,363
9	19536	34, 503, 085	68, 523, 205	615,660	2,629,506	2, 241, 781	9,622,024	22, 892, 625
10	19566	43, 191, 404	65, 520, 769	755, 330	2,721,907	2, 140, 733		35, 577, 464
11	19576	41, 506, 544	67, 915, 652	1, 085, 186	2, 574, 981	2,622,995		40, 279, 425
11	1301	11,000,011	01,010,002	2,000,200	2,011,002	2,022,000	11,001,101	20,210,200
	Province							
12	Newfoundland	40, 109	7	_	13,452	7	4, 573	196, 121
13	Prince Edward Island	34, 160	7		7	, -	894	77,807
14 15	Nova Scotia	1,746,616 5,801,559	16, 257	_	3, 293 4, 594		681,466 7,589	1,031,172 890,512
16	Quebec	19, 752, 083	6, 319, 727	14, 781	1, 128, 857		1,048,128	9,507,303
17	Ontario	5, 083, 234	53, 553, 655	76,008	861,353	1,390,301	6,602,845	17, 087, 899
18	Manitoba	589,328	184, 220	53, 223	17, 881	1, 124, 799	304, 132	1,328,746
19	Saskatchewan	1,629,407	2,649	21, 273	7	40,652	130, 721	730,708
20 21	Alberta British Columbia	9,094	14, 918	146, 701 120, 303	4,848	3,779	201, 466 1, 754, 368	1,704,365 3,931,369
22	Yukon and Northwest Territories		-	-		-	-	8, 819
		00 000 001	00 000 000	400 000	0.005.015	0 #01 101	10 700 100	20 404 921
23	Totals, 1958 ⁸	36, 950, 331	60, 092, 837	432, 289	2,035,215	2, 561, 181	10, 736, 182	36, 494, 821
	Industrial group							
24	Foods and beverages	2,679,924	6,594,962	272, 207	288,576	489, 803	214, 384	17, 063, 636
25	Tobacco and tobacco products	7,034	119, 128	-	7	_	-	43,280
26	Rubber products	118, 493	1,564,036		1,420	- 00 054	_	108, 852
27 28	Leather products	124, 752 1, 603, 082	626, 257 2, 425, 825	2,622 29,726	17, 883 115, 346	22, 074 1, 371	1,551 33,408	143, 946 378, 195
29	Knitting mills	195, 580	390, 512	1,424	13, 890	-,011	7	75, 875
30	Clothing	80, 257	72,001	1,964	19,743	7	1,534	594, 964
31	Wood products	324, 949	497,637	55, 138	61,219	31,126		5, 040, 023
32	Paper products	16, 067, 282	15,090,088	7	64,924	1,683,932	7	904, 747
33	Printing, publishing and allied industries	62,992	150, 191	9, 914 7, 312	22,605 267,824	2,005 21,248	6, 687 408, 277	886, 333 2, 838, 444
34	Iron and steel products Transportation equipment	1,371,407	2, 469, 566 4, 370, 659	- 1,312	117, 954	178, 005		1, 282, 603
36	Non-ferrous metal products	5, 880, 183	4, 217, 301	7	791,380	7	5, 108, 894	526, 749
37	Electrical apparatus and supplies	162,956	768, 875	10,346	37,544	2,509	-	401, 213
38	Non-metallic mineral products	6, 737, 210	10, 857, 604	37, 365	140,922	117,603	659, 476	4, 375, 791
39 40	Products of petroleum and coal	114, 771 726, 117	86,408 9,441,465	2,036	49, 142	7,758	3, 976, 641 89, 950	257, 963 867, 918
41	Miscellaneous industries	91, 904	350, 322	1, 212	24, 585	3, 469		704, 289
		, , , ,						

Exclusive of the Butter and cheese industry in the province of Quebec in 1953.
 Included with "Other fuel".
 Includes manufactured and natural.
 For 1926, 1929 and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals in order to make the series comparable with current data.

TABLE 56. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926 - 57 and by Province and Industrial Group, 1958

		Gas				Electi	ricity			
Steam purchased	Fuel oil	Wood	Liquified petroleum	Other manufactured	Natural	Other fuel	Total cost of fuel	Purchased ¹	Generated for sale ¹	
				do	llars					+
2										
	7, 102, 676	2,533,424	_	4, 182	, 1863	804, 478	56,680,500	26, 235, 597	а	
2	7, 874, 831	2,604,803	-	5, 218, 678	905,039	861,048	60, 365, 941	37, 775, 877	904, 791	ı
2	4,566,630	1,635,716	-	4,097,925	729,385	766,951	33,523,342	33,092,334	36, 393	
2	8, 580, 369	1,636,098	-	6,148,643	1, 256, 276	2,068,361	59, 575, 036	50, 032, 810	288, 842	
2	8, 560, 418	1,562,119		6, 506, 782	1,385,110	1,946,885	57,063,131	50, 509, 121	405,690	1
2	21,822,975	2,340,460		13,779,303	3, 110, 803	2,436,141	137, 883, 770	87, 699, 383	1,219,086	ı
2	23, 872, 464	2,189,271	_	12,086,381	1,881,984	2,314,606	127, 179, 620	83, 273, 105	1,589,447	
2	50, 987, 211	1,991,384	_	20, 507, 352	2, 080, 617	4,688,972	209, 063, 839	94, 475, 355		
2	77, 034, 810	1, 368, 106	1 595 671						887, 402	
2			1,585,671	27, 642, 079	4,671,710	5,882,231	259, 212, 493	152, 576, 328	2,486,054	
2	113, 467, 139	1,083,646	2,516,160	32, 653, 222	9,675,877	11,546,581	333, 304, 628	190, 636, 078	2,400,304	
2	121, 970, 826	994,740	2, 467, 645	37, 855, 107	13, 115, 005	11,404,409	355, 483, 917	199, 827, 871	2, 218, 022	
7, 506	3, 449, 888		4,120	7	_	26, 270	3,742,989	3,063,746	115,873	
down	126,667	6,448	1,964		-	26	248,600	127,591	-	١
93, 221	3,583,409	9, 107	80, 984	3,543,224	-	10,889	10,785,702	2,969,298	49, 291	
250	2,653,058	107, 422	22, 952	1,107	1,060	31,848	9, 538, 208 90, 988, 449	3,320,770	101,658	
2, 524, 508 5, 095, 019	40, 454, 068	455, 237 286, 026	612, 185	7,546,690	877, 796 9, 695, 470	747, 086 2, 511, 969	161, 497, 688	89, 192, 532 76, 734, 666	959, 289 1, 162, 627	- 1
51, 874	2,729,553	16,438	29, 571	663, 822	920, 068	16,671	8,030,326	4, 489, 961		-
57,334	1,506,797	5, 799	71,013	704,610	784, 806	11,789	5,697,663	2,946,210		ı
94,019	600, 771	1,386	164,058	1,431,771	6,547,031	40,269	10,941,209	5,320,953	55,033	
352,379	12,064,472	54, 993	212,064	2, 487, 391	1,548,548	1,513,472	26, 327, 645	22,983,917	82,033	
8, 276, 110	305, 336 107, 355, 107	942,856	2, 941, 900	43, 326 34, 052, 063	20, 374, 779	4, 910, 289	357, 481 328, 155, 960	13, 968 211, 163, 612	8,910 2,534,714	1
										-
710, 528	14, 129, 468	347, 046	514,031	174, 134	3,356,908	669, 862	47, 505, 469	16,055,291	2, 432	
28,548	310,075 530,147	7	800 6,385	6, 423	1,733 40,782	ander anno	511, 400 2, 521, 104	389, 982 2, 502, 991		
144, 503 15, 410	294, 886	7,374	1,614	2, 135	30, 349	38, 752	1,329,605	934, 000	_	l
179, 213	3, 701, 356	1,882	100,011	31,535	135, 258	1,389	8, 737, 597	6,113,450	-	Ì
66,284	446,093	966	980	2,376	14,773	-	1,209,629	650, 138	-	
96,527	530, 741	7	3,657	10,840	60, 141	14,400	1,487,338	1,535,464	40 100	
263,349	3, 154, 665	123,365	87, 941	7,646	162, 687 2, 238, 186	117,770	9, 948, 178 57, 669, 863	8, 216, 434 52, 641, 237	49, 190	
1,164,522 84,801	18, 746, 468 908, 824	37,039	139, 714 26, 747	130,018 36,920	210, 230	3,066	2,411,330	2, 402, 677		
235, 003	15, 239, 964	21,167	258, 612	7, 710, 770	3, 411, 655	381,004	34,642,253	20, 821, 957	_	
198,830	3,402,103	8, 235	181,691	61,459	871,515	1,393,316	12,875,350	7, 748, 721	out-	
58,780	8, 797, 763	53,778	174,999	163,742	923, 498	53, 152	26, 750, 445	42, 835, 353	83, 868	
265, 319	1,855,722	-	142,864	238, 938	542, 107	96, 733	4, 525, 126 38, 148, 564	4,590,390 13,395,027	2,068	
343, 522 448, 889	9, 588, 085	321,805	289, 870 947, 530	324, 559 22, 140, 519	4, 148, 072 1, 827, 058	206,680 74,284	49, 460, 906	6, 939, 904	8, 910	
3, 934, 640	19, 586, 740 5, 369, 416	13, 275	49, 148	2, 998, 320	2, 202, 556	448, 803	26, 200, 544	21, 405, 703	206,110	
37, 442	762, 591	5, 836	15, 306	11,710	197, 271	10, 230	2,221,259	1,984,893		

Electricity purchased for metallurgical purposes in the Non-ferrous Metal Smelting and Refining is included for the first time.
 Newfoundland included.
 Included in the total.
 The figures for 1958 include only establishments with selling values of factory shipments of \$100,000 or over. These establishments reported over 98 p.c. of the total value of fuel used by the manufacturing industries of Canada. For details of fuel used by small establishments see Table 53.

TABLE 57, Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-57 and by Province and Industrial Group, 1958

				Coal				
	Year, province and group		Bituminous		Anthracite	Lignite	Coke	Gasoline
No.		Canadian	Imported	Sub- bituminous		DIE		
				short	tons			Imp. gal.
1	1928*	5,776	3 710	,	283,678	146,098	475, 232	0 000 010
2	19295	2,816,122		3				2,386,916
3	1933 ^s		3,943,007	1	255,700	164,544	380,432	1,717,560
_		1,499,715	2,026,083		145,017	158,437	288,811	1,079,807
4	19376	2,907,671	2,828,519	3	173,993	265,440	657,994	3,665,243
5	1939	2,893,613	2,262,378	3	167,465	238,698	596,077	5,306,656
6	1944	2,538,345	7,336,983	3	228,795	421,351	803,179	24, 114, 087
7	1946	2, 208, 110	5,794,992	70,450	179, 139	394,689	691,152	27,537,378
8	1948	2,869,674	7,468,497	65,449	194,211	378,904	768, 240	39,861,137
9	19537	3,180,027	6,811,887	77,382	195, 261	466,994	673,896	64,521,694
10	19567	3,818,961	6, 167, 119	88,956	203,322	449,001	756,747	
11	19577							97, 915, 150
11	195 (*	3,497,154	6, 197, 815	105,719	181,589	535,711	659,915	108,361,743
	Province							
12	Newfoundland	1,882	8		664		144	437,478
13	Prince Edward Island	1,973	_	_	8	2000	29	169, 250
14	Nova Scotia	146,578	8	-	151		57, 543	2,573,999
15	New Brunswick	527,578	1, 103	-	202	-	316	2,190,318
16	Quebec	1,645,920	470,309	942	76,117	-	82,052	25,094,011
17 18	Ontario	417,944	4,973,974	6,399	65,623	255, 256	385,761	47,514,651
19	Saskatchewan	43,399 116,072	10,409	5,068 2,370	1,278	261,267 6,966	29,331 19,791	3,654,814
20	Alberta	929	8	29,457		0,800	34, 504	1,865,673 4,849,711
21	British Columbia	181,891	925	8,894	260	218	78,904	11, 266, 376
22	Yukon and Northwest Territories	_	-	-	-	-	-	37, 617
23	Totals, 1958°	3,084,166	5, 457, 181	53, 130	144,345	523, 817	688,375	99, 653, 898
	Industrial group							
24	Foods and beverages	203,876	574,442	38,657	18, 132	86,807	10,262	46,357,065
25	Tobacco and tobacco products	385	8,994	_	8	-	no, 200	103,619
26 27	Rubber products	9,429	145,926	-	70	-	-	299,094
27	Leather products	9, 169	52, 122	262	1, 124	3,119	99	323,501
29	Knitting mills	132,747 15,385	197,924 30,189	2,848	7,979	284	3,437	937, 235
30	Clothing	5,990	5,080	65 160	955		69	190,044 1,370,287
31	Wood products	22,676	38,034	4,559	3,774	3,657	940	13,772,596
32	Paper products	1,402,320	1,328,433		5,447	313,960		2,566,388
33	Printing, publishing and allied industries	4,231	10,367	632	1,300	203	449	2,345,421
34 35	Iron and steel products Transportation equipment	115,969	201,019	496	21,780	2,969	38,087	7,576,558
36	Non-ferrous metal products	50,703 422,466	421,420 344,835		10,707	89,506	7,063	3,907,621
37	Electrical apparatus and supplies	16,960	72,987	692	55,756 2,167	427	227,096	1,494,930 1,029,544
38	Non-metallic mineral products	592,658	934, 854	4,459	8,812	21,381	32,930	12, 242, 518
39	Products of petroleum and coal	10,995	11,949	_		-	357, 651	1,030,969
40	Chemicals and allied products	61,610	1,049,349	164	3,268	1, 175	9,808	2, 283, 227
41	Miscellaneous industries	6,597	29, 257	84	2,171	312	405	1,823,281

¹ Exclusive of the Butter and cheese industry in the province of Quebec in 1953.

² Not collected.

³ Includes manufactured and natural.

⁴ Value only, available.

⁵ For 1926, 1929 and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals already published in order to make the series comparable with current data.

TABLE 57. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926 - 57 and by Province and Industrial Group, 1958

				Gas			Electricity		
Steam purchased	Fuel oil	Wood	Liquified petroleum	Other manufactured	Natural	Purchased ¹	Generated for own use ¹	Generated for sale	We
pounds	Imp. gal.	cords	Imp. gal.	Mo	of.		kwh.		No
8	110,378,654	722,098	_	40,58	8.8543	4	3		1 -
2	150, 910, 662	655,975	ana a	41,828,619	4,558,391	4	1, 150, 974, 484	FO 500 000	1
2	115,926,083	549,712	_	23, 119, 514	3, 118, 402	9,771,514,859		53,593,323	
1	167, 824, 977	504,261	_	59, 952, 258	5,802,210	17,092,769,974	1,241,399,928	2, 108, 460	
2	195, 134, 885	475,320	_	71,881,777	6,112,911		2,328,675,496	48,534,697	
2	349, 495, 395	408, 227	_	118,057,302		17,072,764,222	2,357,668,720	76,571,743	
а	376,006,524	348,440	_	95,490,776	12,598,361	25,777,238,678	2,752,124,500	127, 214, 139	
h	482, 218, 705	309, 127	_		8,744,901	25, 250, 876, 449	2,714,261,524	166,073,767	
2	834,841,849			146, 548, 124	9,962,480	24,907,413,154	4,590,676,828	203,779,877	8
2		299,468	9,840,533	73,441,492	21,516,353	34,026,135,310	6,901,443,188	349,904,956	9
2	1,124,521,019	188,776	17,554,665	83,837,949	44,356,597	40,251,872,170	6,372,640,490	320,859,476	10
	1, 138, 442, 219	158,977	16,068,119	89,967,026	49,858,493	41,694,754,285	6,363,482,563	337,762,658	11
4,813,004	38, 257, 833		10, 300	8	_	615,364,352	312,711,648	16,240,500	12
_	836,502	646	4,235	-		5, 356, 189	-		13
93,794,172 333,000	41, 243, 613 29, 076, 244	932	960,613	9,318,276	-	362,944,663	110, 452, 543	6, 261, 506	14
2,585,765,959	440,898,558	11,653 62,688	49,467	1,000 15,923,816	1,060 884,898	486,034,260	396,790,140	19,024,620	15
5,931,403,654	375, 885, 756	37,311	13, 214, 167	48,992,101	14,432,470	24,825,770,360 11,279,380,728	1,520,887,935 2,205,770,408	180, 799, 860 222, 457, 792	16
19, 151, 000	40, 105, 654	1,715	151,852	1,561,134	2,524,728	700,466,548	5,564,830	-	18
133,080,600	24, 286, 601	638	1,612,865	2,448,543	3,205,320	455,295,549	2,589,975		19
155, 809, 852 747, 208, 623	6,649,259 117,441,707	111 7,588	2,682,282 3,269,096	5,423,746 5,915,032	40,756,409 4,464,416	612,765,387	235,013,856	3,677,800	20
-	1,865,635	-	-	82,338	4,404,410	5,887,187,540 575,454	1,833,034,539	17,409,440 155,275	21 22
9,671,359,864	1, 116, 547, 362	123, 282	25, 684, 770	89,666,286	66, 269, 301	45, 231, 141, 030	6, 624, 170, 330	466, 026, 793	23
511,644,011	123,488,963	51, 147	2,683,390	194,790	8, 103, 070	1,367,526,122	87,911,243	81 000	0.4
19,541,752	3, 169, 123	8	2,112	8	2, 147	36,897,032	01, 911, 243	31,060	24 25
114,853,304	4,601,642	8	26,843	9,888	31,782	314,255,087	7,645,900	-	26
9,744,000	2, 227, 977 38, 979, 121	1,482	6,062	2, 212	35,736	59, 976, 828	100,000		27
34,425,999	3,727,923	147	504,425 3,935	44,755 2,046	572,472 26,893	757,054,787 42,275,262	61,531,186	man	28 29
48,263,500	3,674,465		14,734	11, 374	68,916	74, 799, 201	_	_	30
657,567,796	15,634,916	16,776	365,000	11, 121	449,684	550, 165, 337	200,408,005	10,367,412	31
43,004,950	218, 625, 483	4,078	576, 189	702,279	5,580,277	14,023,195,310	4,745,326,888	406,631,592	32
117,501,500	7,025,262 147,002,438	6,597	93,646	1,188,050 25,045,421	346,561 5,309,929	155, 951, 253	100 170 000	-	33
147,832,288	30,919,290	709	1, 187, 191	62,055	1,293,530	2,583,566,394 789,568,657	102, 173, 328 81, 657, 380	_	34 35
51,901,000	84,045,845	2,482	1,008,516	271,941	2, 556, 032	15,410,638,837	1,038,454,749	33, 201, 800	36
171,007,850	16,394,709	-	879,458	182,397	467,329	477,069,676	13,697,600	-	37
61,638,050	95, 258, 312 263, 876, 107	36,414	2,860,286	940,658	13,709,653	2,109,082,687	15,722,910	146,800	38
, 154, 497, 645	52, 733, 143	2,551	14,152,360	54,988,027 5,828,656	14,023,081 13,405,892	897, 762, 184 5, 432, 684, 043	1, 234, 456 264, 529, 772	155, 275 15, 492, 854	39 40
28,668,000	5, 162, 643	709	52, 158	180,596	286,317	148,672,333	3,776,913	10, 252, 004	41

Electricity purchased for metallurgical purposes in the Non-ferrous Metal Smelting and Refining is included for the first time.
 Newfoundland included.
 Included in total.
 The figures for 1958 include only establishments with selling values of factory shipments of \$100,000 or over. These establishments reported over 98 p.c. of the total value of fuel used by the manufacturing industries of Canada. For details of fuel used by small establishments see Table 53.

PART II. PROVINCIAL AND LOCAL DISTRIBUTION OF MANUFACTURING PRODUCTION

SECTION 1. TYPE AND CONCENTRATION OF MANUFACTURING PRODUCTION

This part of the Report is introduced by a general analysis of the concentration of the manufacturing industries in the provinces. In the sections that follow, the principal features of the manufactures of each province are brought out and finally the distribution of manufacturing throughout the principal cities and towns of Canada is shown.

Ontario and Quebec are by far the most important manufacturing provinces of Canada. Their combined production in 1958 amounted to \$17,618,826,610 or 80 p.c. of the total gross value of manufactured products. The proximity of Ontario to the coal-fields of Pennysylvania, the water power and other varied resources of the provinces, and their nearness to the larger

markets of Canada and the United States have all contributed to this progress.

Table 1 shows the outstanding predominance of Ontario and Quebec in each industrial group. Quebec leads in the manufacture of tobacco and tobacco products, textiles (except clothing), clothing (textile and fur), and paper products. In each of the other groups Ontario has the greater production of the two provinces. In the production of wood products British Columbia with 41 p.c. of the total holds the dominant position, outranking both Ontario and Quebec which account respectively for 25 and 22 p.c. of the total. In each of the other groups Ontario and Quebec lead by a wide margin.

TABLE 1. Summary Statistics of Manufactures of each Province, classified by Industrial Groups, 1958

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	num	han		dolla		
Canada	IIuii	iber		dolla	4.5	
Foods and beverages	8,417	190,445	623, 289, 596	2,939,312,503	1, 536, 379, 118	4,528,889,28
Tobacco and tobacco products	40	10.319	37, 143, 602	206, 043, 534	98, 917, 748	305, 138, 63
Rubber products	89	19, 943	76, 445, 003	128, 572, 616	174, 828, 149	308, 383, 19
eather products	598 903	30, 151 63, 472	78, 683, 799 193, 327, 948	124,663,736 394,621,103	119,088,395 322,533,105	246, 826, 76 738, 690, 71
Cextiles	321	20, 936	49, 829, 169	88,610,388	83, 975, 480	173, 576, 57
Clothing	2,460	87, 740	217, 972, 885	389, 243, 696	355, 056, 972	748, 309, 45
Vood products	9,848	120, 922 92, 935	369, 581, 549 409, 578, 235	717, 462, 536 883, 156, 058	605, 677, 512 910, 693, 148	1,343,593,57 1,889,460,39
Paper products Printing, publishing and allied industries	562 4,433	72, 221	287, 971, 245	248, 244, 058	509, 064, 570	762, 103, 36
ron and steel products	3, 254	179,440	757, 173, 234	1, 270, 710, 220	1, 364, 093, 479	2, 705, 682, 79
Iransportation equipment	626	125, 976	553, 425, 532	1, 153, 569, 387	883, 507, 106	2,075,907,78 1,531,197,04
Mon-ferrous metal products	593 492	51, 301 74, 944	226, 614, 472 316, 357, 773	930, 931, 154 473, 902, 660	534, 066, 580 523, 826, 941	1, 015, 416, 73
Non-metallic mineral products	1,248	40,858	161, 811, 627	218, 683, 844	369, 872, 669	636, 696, 33
Products of petroleum and coal	115	17,427	89, 490, 506	894, 457, 513	515, 473, 433	1, 466, 409, 36
Chemicals and allied products	1, 143 1, 599	54,570 36,002	233, 819, 330 119, 980, 755	589, 315, 994 170, 066, 471	664, 853, 235 220, 598, 291	1, 293, 331, 69 393, 572, 59
Totals	36, 741	1, 289, 602	4, 802, 496, 260	11, 821, 567, 471	9, 792, 505, 931	22, 163, 186, 30
Newfoundland						
Foods and beverages	73	3,476	7, 110, 270	15, 994, 947	16, 237, 970	33, 600, 52
Tobacco and tobacco products		-	- 1	_	- 1	
Rubber productsLeather products		64	138, 332	209, 765	163, 764	388, 9
Textiles i	7	04	130, 332	200, 100	100, 101	000, 0
Knitting mills ¹	_					
Clothing	600	158 1,277	256,083 1,497,272	199, 374 3, 356, 305	300, 810 2, 849, 791	571,7 6,332,8
Wood products Paper products ² Printing, publishing and allied industries	2	2, 971	15, 098, 491	26, 736, 005	29, 702, 009	61, 003, 2
Printing, publishing and allied industries	42	423	1,314,562	656, 292	2,414,035 1,426,502	3, 137, 8 2, 511, 0
ron and steel products	11 6	294 311	933,088 1,077,959	1,003,421 552,691	991, 495	2,511,0 1,579,5
Non-ferrous metal products	_	-	-,011,000		-	2,010,0
Electrical apparatus and supplies	12	000	040 104	1 400 710	1 077 055	2 707 9
Non-metallic mineral products	14	289	942,134	1,403,718	1,977,055	3, 707, 80
Products of petroleum and coal ¹ Chemicals and allied products Miscellaneous industries ³	6	82 259	271, 179 594, 199	912, 880 1, 130, 893	1,054,972 926,111	1,996,8 2,148,8
Totals	768	9, 604	29, 233, 569	52, 156, 291	58, 044, 514	116, 979, 20
Prince Edward Island						
Foods and beverages	89	1,045	2, 145, 125	15, 795, 281	4,447,577	20,648,7
Rubber products		_	_	_	_	
Leather products		_	_	_	and a	
rextiles	4	77	146, 639	976, 159	632,820	1,610,3
Knitting mills	_		_		_	
Wood products	60	205	316, 477	580, 743	545, 486	1, 148, 7
Paper products4	4.0	400		00# 450	200 400	000 1
Printing, publishing and allied industries	11	182 30	446, 302 76, 890	227, 456 107, 129	723, 486 97, 118	973,1 214,8
ron and steel products Transportation equipment ⁴ Non-ferrous metal products	7	30	10,030	101, 120	01,110	2.1,0
Non-ferrous metal products		-	-	-	-	
Electrical apparatus and supplies Non-metallic mineral products	-4	16	45, 767	35, 893	92,276	129, 1
Products of petroleum and coal	_	-	-	-	-	230,2
Chemicals and allied products ⁴						
All other groups	7	77	212, 785	1,480,796	727, 734	2, 162, 7
		- 1	, .00	,,	,	

TABLE 1. Summary Statistics of Manufactures of each Province, classified by Industrial Groups, 1958 - Continued

TABLE 1. Summary Statistics of Man		or cach in	ovince, classifi	ed by Industrial	Groups, 1958	- Continued
Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
Nova Scotia	nur	nber I		dol	lars	
Foods and beverages	362 	8, 573 	19, 288, 342	66, 967, 428 — —	39, 535, 298 — —	109, 949, 917
Clothing	11 5 8 585 6 132	457 874 343 3,422 1,515 1,412	1, 152, 345 1, 701, 456 560, 328 6, 250, 523 5, 569, 596 4, 333, 061	2, 126, 263 3, 292, 731 1, 164, 791 14, 488, 812 10, 619, 804 3, 033, 318	2, 723, 486 3, 196, 306 764, 795 12, 731, 522 13, 429, 175 8, 148, 053	4, 942, 976 6, 761, 380 2, 030, 194 27, 712, 542 25, 619, 501 11, 315, 063
Iron and steel products	57 64 —	5, 927 4, 488	23, 786, 432 15, 502, 226	36, 947, 311 17, 166, 765	35, 161, 157 21, 954, 700	77, 669, 814 39, 682, 536
Products of petroleum and coal ¹ Chemicals and allied products Miccellareum and coal ² Chemicals and allied products	32 15	565 295	1, 603, 168 941, 127	1, 402, 718 2, 962, 910	4, 275, 431 2, 406, 441	6, 315, 465 5, 739, 038
Miscellaneous industries ³ Totals	20 1,297	1, 139 29, 010	5, 316, 949 86, 005, 553	57, 090, 752 217, 263, 603	32, 671, 585 176, 997, 949	94, 190, 821 411, 929, 247
New Brunswick Foods and beverages	318	6, 700	15, 396, 018	81, 471, 990	38, 998, 638	101 401 650
Tobacco and tobacco products	- - 7	368	745, 808	1, 083, 670	1, 420, 143	121, 481, 659 — — — — 2, 482, 331
Textiles Knitting mills Clothing	14	412	936, 933	1, 421, 377	1, 420, 143	2, 544, 725
Wood products ————————————————————————————————————	409 17 68 35	3, 260 4, 292 927 1, 288 1, 860	6, 750, 612 18, 736, 883 2, 880, 537 3, 993, 391 6, 801, 010	17, 220, 687 44, 477, 413 1, 808, 053 6, 783, 766 9, 108, 140	11, 356, 376 47, 456, 949 4, 789, 590 7, 218, 777 7, 978, 842	523, 680 29, 020, 171 99, 172, 844 6, 722, 533 14, 029, 276 17, 407, 996
Electrical apparatus and supplies¹ Non-metallic mineral products Products of petroleum and coal¹ Chemicals and allied products	32	558	1, 789, 004	1, 775, 631	4, 388, 050	7, 258, 643
miscellaneous industries"	7 18	143 768	495, 682 2, 321, 979	3, 062, 220 2, 148, 254	1, 267, 260 4, 200, 188	4, 885, 739 6, 492, 220
TotalsQuebec	939	20, 744	61, 077, 171	170, 560, 975	130, 668, 021	312, 021, 817
Foods and beverages Tobacco and tobacco products Rubber products Leather products Textiles Knitting mills Clothing Wood products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries Totals	2, 678 21 33 324 401 178 1,536 2,791 1,222 780 114 186 98 383 19 373 499	48, 755 7, 618 5, 715 15, 730 35, 879 10, 794 55, 513 30, 922 36, 262 19, 819 40, 822 32, 149 18, 440 22, 514 12, 261 3, 581 21, 346 11, 238	152, 297, 030 28, 420, 426 18, 779, 505 38, 017, 732 105, 488, 246 25, 110, 251 133, 692, 915 80, 065, 286 157, 165, 480 76, 807, 636 159, 392, 198 315, 946, 506 83, 267, 683 94, 279, 042 46, 382, 704 18, 248, 651 89, 235, 755 34, 008, 862 1, 476, 605, 908	789, 209, 203 98, 217, 958 23, 258, 874 55, 405, 556 221, 093, 205 45, 647, 957 160, 799, 378 321, 148, 110 71, 425, 894 251, 521, 956 185, 879, 654 419, 010, 341 123, 757, 817 65, 263, 993 288, 376, 128 170, 467, 150 53, 166, 715 3, 597, 784, 845	410, 612, 685 77, 327, 139 29, 319, 497 56, 927, 019 168, 939, 895 42, 120, 592 221, 103, 302 134, 322, 662 342, 678, 692 138, 702, 737 277, 153, 325 197, 580, 843 184, 514, 705 138, 820, 117 100, 142, 703 178, 238, 838 211, 401, 583 60, 868, 416 2, 970, 774, 755	1, 215, 134, 617 175, 701, 092 54, 519, 792 113, 278, 403 401, 414, 688 88, 479, 444 476, 752, 105 298, 805, 342 705, 508, 207 211, 052, 560 546, 687, 838 387, 416, 167 639, 850, 425 268, 575, 740 181, 664, 565 483, 720, 411 390, 656, 361 15, 580, 521
Ontario	2 100	70 000	072 107 140	1 150 021 000	674 074 969	1 054 779 977
Foods and beverages Tobacco and tobacco products Rubber products Leather products Textiles Knitting mills Clothing Wood products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscel laneous industries	3, 129 17 46 212 378 123 671 2, 157 258 1, 829 1, 644 265 320 320 320 529 32 555 791	78, 230 2, 690 14, 167 12, 832 24, 798 8, 710 23, 096 32, 494 35, 947 36, 209 72, 703 24, 653 49, 991 20, 569 7, 154 27, 327 21, 813	273, 197, 149 8, 693, 107 57, 433, 010 36, 931, 423 79, 892, 750 21, 840, 080 62, 508, 895 100, 077, 837 151, 484, 403 494, 459, 039 336, 059, 974 104, 131, 563 212, 223, 335 55, 270, 288 37, 487, 663 119, 559, 966 75, 875, 253	1, 159, 931, 029 107, 811, 261 105, 101, 144 63, 069, 124 152, 093, 449 37, 991, 031 95, 239, 092 170, 367, 358 355, 990, 957 133, 584, 911 842, 998, 138 891, 788, 472 393, 553, 179 330, 873, 705 108, 789, 010 299, 907, 424 350, 199, 306	674, 074, 262 21, 549, 596 145, 191, 493 56, 446, 306 138, 306, 507 36, 631, 645 99, 829, 962 160, 922, 317 329, 249, 095 265, 035, 883 916, 810, 635 580, 882, 660 274, 732, 884 365, 895, 233 195, 575, 266 137, 162, 049 374, 548, 476 4, 914, 073, 665	1, 854, 772, 277 129, 380, 016 253, 309, 301 121, 339, 579 300, 319, 924 74, 282, 536 196, 457, 761 335, 916, 936 116, 075, 680 11, 802, 728, 675 1, 504, 740, 337 683, 423, 641 708, 050, 236 327, 348, 231 457, 314, 090 750, 576, 807 247, 191, 830

TABLE 1. Summary Statistics of Manufactures of each Province, classified by Industrial Groups, 1958 - Continued

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling valu of factory shipments
Manitoba	nun	nber		dol	lars	
	382	10, 085	35, 167, 489	192, 872, 062	78, 756, 945	275, 042, 2
oods and beveragesobacco and tobacco products	_	-	-	- 1	-	
ubber products	3	8	12, 893	35, 090 2, 709, 308	14, 531 2, 208, 634	53, 4 5, 101, 6
eather productsextiles	20 30	637 503	1, 512, 847 1, 331, 583	6, 061, 881	2, 617, 373	8, 671, 4
nitting mills	4	108	204, 976	509, 385	293, 564	897, 5
lothing	145 380	5, 724 3, 183	13, 629, 369 8, 806, 391	25, 853, 924 16, 981, 532	21, 114, 649 14, 141, 471	47, 211, 8 31, 515, 8
ood products	22	1,602	5, 705, 933	16, 825, 936	18, 942, 119	37, 091, 1
aper productsrinting, publishing and allied industries	289	3, 804	13, 525, 755 20, 917, 408	11, 118, 528 33, 464, 785	24, 108, 681 34, 538, 641	35, 500, 0 68, 371, 0
on and steel products	146 30	5, 316 6, 334	22, 987, 061	22, 553, 494	29, 008, 138	52, 467, 7 10, 724, 3
on-ferrous metal products	15	500	2, 387, 167 3, 886, 203	5, 858, 260	4, 213, 342 7, 308, 133	10, 724, 3 13, 900, 6
lectrical apparatus and supplies	20 46	1, 005 1, 368	5, 074, 269	6, 198, 446 8, 302, 194	13, 097, 164	23, 156, 3
oducts of petroleum and coal	6	726	3, 035, 237	34, 520, 797	20, 983, 206	57, 632,
nemicals and allied products	37 59	728 751	2, 439, 200 2, 235, 704	9, 218, 012 4, 369, 538	8, 498, 911 4, 522, 040	17, 746, 8 8, 967, 6
Totals	1, 634	42, 382	142, 859, 485	397, 453, 172	284, 367, 542	694, 051,
rotals	1,034	120, 300	120, 000, 100	301, 200, 214	201,001,010	372, 132,
Saskatchewan	040	F 400	10 257 452	105 101 409	47 994 410	155 110
oods and beveragesbbacco and tobacco products	242	5, 460	19, 357, 452	105, 191, 482	47, 884, 410	155, 118,
abber products	-	_	-	-	-	
eather products	7	71	170, 866	820, 907	317, 180	1, 138,
extiles		- 1		_	- 1	
othing	8	262	638, 482 2, 768, 484	1, 084, 142 5, 834, 114	1, 196, 280 4, 996, 143	2, 423, 11, 056,
pod products	391 6	1, 340	301, 352	432, 901	413, 056	852,
inting, publishing and allied industries	180	1, 548	5, 142, 745	3, 370, 073	8, 837, 820	12, 351,
on and steel products	53 3	793	2, 803, 201 38, 182	9, 732, 482 19, 913	6, 925, 676 63, 782	16, 766, 86.
on-ferrous metal products ¹	,	1	50, 102	10,010		,
ectrical apparatus and supplies1	22	610	0 100 017	2, 737, 172	8, 070, 843	11, 755,
on-metallic mineral products	33 13	610 1, 218	2, 193, 217 6, 019, 155	50, 631, 451	29, 505, 893	83, 164,
nemicals and allied products	10	215	955, 798	3, 001, 688	1, 308, 105 13, 874, 980	4, 359, 32, 225,
iscellaneous industries	24	674	2, 839, 458	15, 977, 649 198, 833, 974	123, 394, 168	331, 298,
Totals	970	12, 283	43, 228, 392	198, 833, 974	143, 392, 100	331, 430,
Alberta			44 040 500	040 505 415	05 619 101	244 402
oods and beveragesobacco and tobacco products	453 —	11, 856	41, 248, 593	248, 587, 415	95, 618, 101	344, 493,
ubber products1	11	68	100 262	340, 710	255, 256	610,
eather productsextiles	11 15	421	180, 362 1, 686, 049	4, 701, 577	3, 889, 555	8, 728,
nitting mills	5	41	93. 063	107, 879	115, 165	237,
lothing	24 554	1, 034 4, 866	2, 587, 446 12, 988, 941	5, 779, 046 29, 644, 217	4, 762, 962 24, 406, 380	10, 780, 54, 895,
ood productsaper products	17	1, 195	5, 511, 170	16, 064, 590	12, 272, 714	28, 966,
rinting, publishing and allied industries	257	2, 677	9, 615, 941	8, 150, 305	18, 893, 067 28, 918, 988	27, 231, 63, 942,
on and steel products'ransportation equipment	173 27	4, 272 3, 226	16, 865, 222 12, 283, 157	33, 987, 205 11, 880, 042	14, 015, 887	26, 157,
on-ferrous metal products	13	764	3, 670, 370	12, 345, 570	9, 610, 182	22, 448,
Electrical apparatus and supplies	9 77	2, 684	643, 516 10, 459, 576	2, 514, 693 18, 454, 809	1, 772, 868 28, 020, 986	4, 584, 48, 439,
roducts of petroleum and coal	27	2, 251	11, 676, 035	82, 540, 811	64, 610, 488	151, 438,
hemicals and allied products	37	1, 836	8, 737, 681	17, 955, 587 2, 257, 391	28, 410, 559 3, 866, 297	49, 114, 6, 182,
iscellaneous industries	63 1, 762	37, 860	1, 888, 057 140, 135, 179	495, 311, 847	339, 439, 455	848, 251,
Totals	1, 102	31,800	140, 133, 113	450, 311, 341	000, 100, 100	010, 201,
British Columbia		10.000	50 000 104	263 220 820	130, 084, 940	398, 434,
oods and beveragesobacco and tobacco products	687	16, 253	58, 029, 194	263, 220, 830	_	
ibber products	5		201, 760	155, 055	269, 574 1, 465, 879	3, 221,
eather productsextiles	18 40		2, 287, 328	4, 935, 529	3, 455, 781	8, 508,
nitting mills	4	301	1, 012, 803 2, 287, 328 699, 763	155, 055 1, 646, 272 4, 935, 529 847, 736	1, 432, 420	2, 500,
lothing	1, 913	1, 442 39, 905	3, 870, 053 149, 921, 370	5, 588, 596 297, 972, 340	5, 662, 908 239, 174, 452	11, 557, 546, 734,
ood products	1, 913		45, 951, 713	90, 832, 422	116, 517, 516 37, 293, 726	215, 385,
rinting, publishing and allied industries	401	5, 207	22, 351, 044	14, 842, 796	37, 293, 726	215, 385, 52, 595, 112, 761,
on and steel products	351 106		33, 946, 365 22, 669, 563	54, 164, 027 14, 571, 603	55, 842, 660 30, 944, 755	46, 230,
Ion-ferrous metal products	56	6, 056	29, 724, 163 4, 104, 720	14, 571, 603 85, 365, 674	46, 640, 532	143, 031,
lectrical apparatus and supplies	39	919	4, 104, 720	8, 387, 916	8, 026; 807 14, 232, 895	16, 135, 26, 921,
fon-metallic mineral products	100		8, 051, 500 8, 508, 036	10, 518, 706 79, 592, 372	52, 933, 579	137, 575,
hemicals and allied products	100	2, 550	11, 024, 534	29, 604, 343	35, 345, 577	65, 754,
liscellaneous industries	138	1	4, 274, 300	3, 693, 409	7, 296, 210	11, 168,
Totals	4, 072	100, 222	406, 628, 209	965, 939, 626	786, 620, 211	1, 798, 960

TABLE 1. Summary Statistics of Manufactures of each Province, classified by Industrial Groups, 1958 - Concluded

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	num	ber		doll	ars	
Yukon and Northwest Territories						
Foods and beverages Wood products Miscellaneous industries' Totals	4 8 4 16	12 48 85 145	52, 934 138, 356 486, 867 678, 15 7	70,836 217,050 2,452,298 2,740,184	128,292 230,912 499,950 859,154	212,835 454,769 3,311,885 3,979,489

¹ Confidential. Included with "Miscellaneous industries".
² Publication of these figures is authorized by the firms concerned.

The degree of concentration of manufacturing in large units is illustrated in table 2. In Ontario 36.0 p.c. of the people engaged in manufacturing were employed in establishments having 500 or more employees as compared with 33.3 p.c. for Canada as a whole. Ontario assumed the premier position in 1956, displacing Newfoundland which formerly ranked first.

Quebec ranked second with 35.0 p.c., followed by Newfoundland with 30.9 p.c., Nova Scotia 30.7 p.c., New Brunswick 27.8 p.c., British Columbia 24.4 p.c., Manitoba 23.4 p.c. and Alberta 21.0 p.c. There were no plants in either Prince Edward Island or Saskatchewan employing 500 or more persons.

TABLE 2. Concentration of Manufacturing Production in each Province, 1958

Province	Number of establishments employing 500 or more persons	Percentage of total number of establishments in province	Provincial percentage of number of employees accounted for by these establishments
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Canada	2 -7 7 132 175 10 -1 12 22 	0.3 	30.9

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and each Province, classified by Number of Employees per Establishment, 1958

Province and group Establish Employees Salaries and wages Cost of fuel and electricity Selling value of factory shipments							
Canada: Under 5 employees	Province and group	lish-	Employees		fuel and	of materials	of factory
Under 5 employees		nun	nber		doll	lars	
Under 5 employees 613 949 608, 973 73, 638 1,534, 022 2,598, 529 5 to 14 employees 52 444 1,009, 247 150, 062 2,313, 972 5,055, 396 15" 49 " 51 1,424 3,298, 593 337, 781 7,085, 732 13, 915, 255 5 0" 99 " 26 1,812 5,023, 934 491, 836 9, 336, 737 21, 788, 675 50" 99 " 9 1,139 1,959, 999 365, 711 2,699, 901 7, 208, 699 200 and over 5 3,830 17,281,143 5,483, 691 29,150, 903 65,978, 899 100 "199 " 9 1,139 1,959, 999 365, 711 2,699, 901 7,208, 699 200 and over 5 3,830 17,281,143 5,483, 691 29,150, 903 65,978, 899 100 "199 " 9 1,539 17,281,143 5,483, 691 29,150, 903 65,978, 899 100 "199 " 9 1,699, 901 7,281,143 7,48	Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 "1,499 " 1,500 and over Not classifiable ¹ Head offices ²	9,820 6,452 2,149 1,212 775 248 64 55 810	81, 410 172, 849 149, 195 168, 145 238, 246 171, 711 80, 193 176, 392	234,191,619 547,052,627 485,939,815 578,190,460 902,389,449 707,162,774 339,948,628 831,651,295	20,986,556 43,449,742 39,353,644 56,111,580 111,950,800 120,268,031 50,660,514 99,016,402 4,027	603,213,593 1,321,311,827 1,223,991,371 1,501,478,707 2,378,497,679 1,811,508,648 980,404,327 1,768,563,119 4,852,881	1, 058, 195, 984 2, 418, 402, 491 2, 263, 825, 056 2, 805, 065, 560 4, 505, 027, 323 3, 508, 926, 101 1, 746, 146, 491 3, 483, 655, 741 6, 056, 19
	Under 5 employees 5 to 14 employees 15 " 49 50 " 99 " 100 " 199 200 and over Not classifiable ¹	52 51 26 9	444 1,424 1,812 1,139 3,830	1,009,247 3,298,593 5,023,934 1,959,999 17,281,143	150,062 337,781 491,836 365,711	2,313,972 7,085,732 9,336,737 2,699,901 29,150,903 35,024	5,055,396 13,915,255 21,788,675 7,208,699 65,978,845 42,701

Includes all groups marked.

Included in "All other groups".

Includes "Printing and publishing", "Petroleum products", and "Acids, alkalies and salts".

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and each Province, classified by Number of
Employees per Establishment, 1958 — Continued

Employees per Establishment, 1958 - Continued										
Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments				
A STANDARD S	nur	nber								
Prince Edward Island: Under 5 employees 5 to 14 employees 15 "49" 50 and over Totals	100 47 26 6 179	207 356 597 472 1,632	. 306,146 686,912 1,108,889 1,288,038 3,389,985	50,711 116,815 117,547 134,369 419,442	1,808,022 2,907,021 5,815,835 8,672,579 19,203,457	2,533,350 4,511,617 8,616,282 11,226,479 26,887,728				
Nova Scotia: Under 5 employees 5 to 14 employees 15 " 49 " " 50 " 99 " 100" 199 " 200" 499 " 500 and over Not classifiable 1 Head offices 2	627 356 171 54 19 17 7 46	1, 367 2, 946 4, 464 3, 770 2, 568 4, 937 8, 912 46	1,851,319 6,155,918 10,805,019 9,043,395 6,889,431 17,299,491 33,769,818	206,066 760,363 1,366,034 1,253,870 680,751 5,332,657 4,455,150	4,689,166 18,587,178 29,841,055 22,106,922 14,225,096 78,275,877 49,448,540 89,769	8, 248, 189 31, 741, 287 54, 566, 370 41, 821, 647 27, 451, 569 139, 076, 707 108, 911, 226 112, 262				
Totals	1,297	29,010	86,005,553	14,054,891	217, 263, 603	411, 929, 257				
New Brunswick: Under 5 employees 5 to 14 employees 15 " 49 " 100" 199 " 100" 499 " 200" 499 " 500 and over Not classifiable 4 Head offices 4	458 263 134 34 20 10 7	948 2,057 3,510 2,440 2,795 3,074 5,765 —	1,306,163 4,305,943 8,387,784 6,506,057 7,192,283 10,122,631 22,236,339	172,884 662,131 1,155,132 675,248 1,229,494 2,083,145 7,184,09	4,114,822 13,397,590 25,907,398 19,577,649 17,517,960 27,925,463 62,072,831 47,262	6,783,024 23,417,577 42,647,702 32,598,384 35,995,775 45,655,779 124,851,306 72,270				
Totals	939	20,744	61,077,171	13, 162, 126	170,560,975	312,021,817				
Quebec: Under 5 employees 5 to 14 employees 15 " 49 " 50" 99 " 100" 199 " 200" 499 " 500" 999 " 1,000" 1,499 " 1,500 and over Not classifiable* Head offices*	4,900 3,076 2,173 727 375 5241 89 25 18 204 —	11, 277 25, 434 58, 575 50, 162 51, 437 74, 075 62, 691 7, 956 429, 358	23,030,805 67,245,803 163,882,253 142,920,022 156,771,639 258,056,017 1248,206,797 127,988,598 241,674,068 47,049,906	2,615,280 5,653,374 11,241,146 9,745,817 14,509,305 33,445,731 59,165,163 28,163,754 18,836,913	103,704,989 205,325,967 383,843,103 332,540,988 422,489,926 651,938,685 765,043,763 420,594,248 310,832,143 1,471,033	152,031,057 334,885,021 700,187,381 625,357,112 765,633,741 1,273,764,466 1,456,022,920 712,374,823 732,662,741 1,879,016				
Ontario: Under 5 employees 5 to 14 employees 15 " 49 " " 50 " 99 " " 200 " 499 " " 200 " 499 " " 1,000 " 1,499 " " 1,000 " 1,499 " " Not classifiable 1 Head offices 2 Totals	4,704 3,583 2,607 925 587 404 118 28 29 291	10, 762 29, 918 70, 483 64, 631 82, 792 122, 875 80, 178 34, 678 103, 012 7, 033 606, 362	25, 548, 734 93, 258, 849 240, 871, 537 226, 001, 650 301, 450, 984 477, 899, 264 341, 395, 544 153, 830, 818 509, 354, 531 43, 042, 741 2, 412, 654, 652	2,664,443 7,930,692 19,008,178 18,033,934 26,749,641 45,039,194 45,893,220 16,267,969 60,312,248 ————————————————————————————————————	74,074,749 212,501,591 582,089,574 555,489,571 733,021,086 1,077,888,397 715,002,701 440,041,227 1,312,051,375 2,159,226 5,704,319,497	125,184,632 392,220,883 1,071,523,914 1,042,201,798 1,386,646,459 2,101,071,504 1,486,860,363 810,455,491 2,445,494,676 2,547,612				
Manitoba: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 and over Not classifiable " Head offices 2	729 405 247 105 54 21 6 4 68	1,572 3,361 6,832 7,240 7,316 5,857 4,185 5,727	3, 153, 194 9, 381, 629 20, 914, 310 23, 211, 742 24, 679, 217 22, 755, 082 16, 787, 040 20, 652, 076 1, 345, 195	328, 271 829, 153 1,598, 759 1,305, 001 2,430, 443 4,794, 801 857, 360 765, 577	7,696,542 29,966,575 48,009,670 52,443,850 78,414,707 59,988,191 64,469,096 56,195,486 25,055	13,856,362 49,430,605 90,325,311 98,841,629 145,207,996 117,064,154 92,463,749 86,585,955 27,562				
Totals	1,634	42,382	142,859,485	12,909,365	397, 453, 172	694,051,32				

See footnotes at end of table.

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and each Province, classified by Number of Employees per Establishment, 1958 - Concluded

Employees per Establishment, 1356 — Concluded										
Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments				
	nun	nber		doll	ars					
Saskatchewan: Under 5 employees 5 to 14 employees 15 " 49 " " " " " " " " " " " " " " " " "	565 237 92 22 16 9 29 -	1, 063 1, 897 2, 432 1, 541 2, 085 3, 068 - 197 12, 283	1,835,145 5,476,102 8,291,631 5,870,313 7,649,343 13,003,582 1,102,276 43,228,392	233, 064 704, 659 1, 007, 481 666, 741 1, 324, 759 5, 008, 422 	3, 378, 723 15, 972, 634 26, 642, 699 20, 557, 822 30, 382, 077 101, 742, 453 117, 566 	7,090,363 27,720,250 44,996,098 38,110,028 54,142,066 159,115,153 124,483 331,298,441				
Alberta: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 and over Not classifiable¹ Head offices² Totals	768 535 257 71 39 20 12 60 —	1,655 4,437 6,785 4,958 5,372 6,340 7,964 	3, 460, 038 13, 182, 511 24, 054, 306 18, 981, 859 20, 345, 750 26, 201, 471 31, 852, 843 2, 056, 401 140, 135, 179	369, 548 1, 122, 714 2, 260, 372 1, 930, 473 3, 568, 461 5, 185, 561 2, 268, 552 ———————————————————————————————————	9, 497, 597 39, 295, 397 59, 105, 912 63, 307, 516 81, 184, 863 124, 893, 297 117, 738, 930 288, 335 495, 311, 847	16, 263, 222 65, 698, 043 113, 949, 652 112, 816, 693 157, 366, 975 213, 916, 249 167, 740, 209 500, 941 —				
British Columbia: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100" 199 " 200" 499 " 500" 999 " 1,000" 1,999 " 1,500 and over Not classifiable Head offices	1,685 1,259 698 182 92 49 14 4 4 85 -	3, 932 10, 511 17, 732 12, 450 12, 517 16, 938 10, 744 5, 200 8, 518 1, 680	8, 165, 536 33, 273, 041 65, 588, 305 47, 760, 617 50, 944, 209 74, 135, 730 48, 684, 367 23, 738, 553 43, 532, 914 10, 804, 937 406, 628, 209	783,890 3,034,059 5,357,312 4,853,372 5,242,020 10,862,223 6,870,965 701,279 12,847,834 4,027 50,556,981	17, 172, 576 62, 222, 111 152, 912, 249 144, 824, 643 121, 423, 569 246, 754, 226 91, 805, 961 34, 850, 228 93, 593, 503 - 965, 939, 626	32, 704, 509 122, 444, 365 277, 535, 157 245, 396, 886 224, 956, 728 442, 125, 636 188, 711, 259 72, 915, 948 191, 674, 436 485, 535 1, 798, 960, 459				
Yukon and Northwest Territories: Under 5 employees 5 and over Totals	7 9 16	15 130 145	39, 171 638, 986 678, 157	9, 441 366, 758 376, 199	74, 111 2, 666, 073 2, 740, 184	201, 034 3, 778, 455 3, 979, 489				

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, classified according to the Selling Value of Factory Shipments per Establishment, 1958

the Setting value of a actory surplineases per assurement,									
Province and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments			
	num	ber		dol	lars				
Canada:	6, 965 5, 555 5, 093 4, 855 4, 429 4, 405 2, 227 2, 484 728 —	9,497 16,016 25,915 41,867 62,133 122,332 133,672 345,154 515,302 17,714 1,289,602	10, 207, 108 31, 652, 462 61, 855, 163 111, 547, 517 179, 344, 733 373, 591, 996 444, 472, 466 1, 223, 311, 206 2, 259, 849, 340 106, 664, 269 4, 802, 496, 260	1, 090, 855 2, 654, 252 4, 425, 612 7, 961, 344 13, 500, 446 25, 001, 627 25, 198, 952 100, 477, 367 368, 994, 050 4, 027 549, 308, 532	15, 079, 364 42, 536, 482 48, 484, 047 169, 061, 603 329, 551, 267 722, 348, 616 847, 354, 872 2, 691, 699, 487 6, 919, 087, 733	31, 309, 272 92, 924, 241 183, 855, 109 349, 482, 524 630, 075, 157 1, 393, 009, 356 1, 570, 426, 524 5, 232, 047, 910 12, 680, 056, 215			
Newfoundland: Under \$10,000 \$10,000 to \$24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 200,000 " 499,999 1,000,000 and over Head offices¹ Totals	564 500 32 277 27 32 21 15 —	771 160 174 330 629 1,163 1,719 4,652 6	295, 263 240, 626 338, 771 784, 119 1, 406, 149 2, 729, 007 3, 487, 728 19, 900, 226 51, 680 29, 233, 569	42, 982 20, 668 38, 362 65, 049 115, 737 242, 604 386, 120 5, 991, 197 - 6, 902, 719	856, 309 407, 605 496, 841 876, 569 1, 966, 536 4, 863, 250 7, 310, 555 35, 378, 626 — 52, 156, 291	1,567,389 803,995 1,149,711 1,963,795 4,112,035 10,187,003 15,989,725 81,205,547 -			

¹ Under this heading are included only those head offices that are not located at the plant.

¹ Consists of the industry "Publishing (only) of Periodicals".
² Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and each Province, classified according to the Selling Value of Factory Shipments per Establishment, 1958 - Continued

the Selling Value	of Factory	snipments	per Establishm	ent, 1958 - Co	ontinued	
	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nur	nber		dol	lars	-
Prince Edward Island: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 and over	54 27 23 32 21 15	82 85 85 277 296 280 527	66,860 113,487 143,310 498,790 521,640 570,495 1,475,403	7, 960 11, 886 27, 411 62, 223 68, 847 76, 104 162, 011	120, 982 227, 131 515, 035 1, 356, 978 1, 809, 684 3, 692, 973 11, 480, 674	254,605 415,131 844,052 2,242,725 2,992,714 4,894,457 15,244,044
Totals	179	1, 632	3, 389, 985	419, 442	19, 203, 457	26, 887, 728
Nova Scotia: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 4,999,999 5,000,000 and over Head offices'	387 230 172 164 120 114 52 51	577 695 998 1,529 1,820 3,328 2,817 8,812 8,388 46	395,424 1,075,622 1,858,611 2,952,079 4,030,433 7,976,018 7,146,419 26,450,779 33,929,006	46,906 101,710 154,649 289,553 474,801 1,002,663 861,358 2,514,393 8,608,858	869,050 1,872,173 3,141,663 6,647,948 9,258,522 18,535,832 21,568,810 52,378,227 102,991,378	1, 604, 366 3, 722, 661 6, 203, 974 11, 552, 900 16, 689, 470 35, 279, 642 36, 933, 136 108, 251, 891 191, 691, 207
Totals	1, 297	29, 010	86,005,553	14,054,891	217, 263, 603	411, 929, 247
New Brunswick: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 499,999 5,000,000 and over Head offices!	294 117 147 129 90 79 32 41	469 360 821 1,153 1,359 2,245 2,046 6,265 5,871 155	388,769 532,193 1,437,060 2,318,426 2,838,685 5,704,880 5,088,018 17,544,833 24,204,336 1,019,971	44, 324 54, 290 131, 688 304, 969 361, 402 785, 630 488, 676 2, 602, 878 8, 388, 269	675,530 946,922 2,647,594 5,050,530 7,008,084 13,664,974 11,429,933 46,166,194 82,971,214	1, 341, 045 1, 865, 573 5, 262, 611 9, 491, 875 12, 421, 589 24, 934, 942 21, 616, 618 "8, 886, 829 156, 200, 75
Totals	939	20, 744	61, 077, 171	13, 162, 126	170, 560, 975	312, 021, 817
Quebec: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 30,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 4,999,999 5,000,000 and over head offices4	1, 786 1, 909 1, 740 1, 722 1, 552 1, 495 714 701 209	2, 521 5, 480 9, 334 15, 646 22, 960 44, 029 43, 535 107, 795 170, 102 7, 956	3, 056, 538 10, 084, 877 19, 964, 194 37, 110, 031 59, 410, 194 120, 212, 312 124, 263, 883 347, 559, 852 707, 894, 121 47, 049, 906	313, 027 840, 617 1, 360, 401 2, 342, 287 4, 029, 241 7, 085, 266 6, 601, 942 29, 800, 951 131, 002, 748	4, 371, 147 15, 527, 986 30, 144, 410 62, 586, 888 126, 582, 384 251, 354, 808 271, 500, 020 756, 822, 721 2, 078, 894, 481	9, 191, 058 32, 298, 826 62, 776, 693 123, 221, 908 221, 493, 674 470, 007, 424 505, 502, 300 1, 463, 665, 272 3, 866, 641, 123
Totals	11,828	429, 358	1,476,605,908	183, 376, 483	3, 597, 784, 845	6, 754, 798, 278
Ontario: Under \$10,000	1,870 1,846 1,809 1,739 1,689 1,787 955 1,212 369	2, 428 5, 264 8, 602 14, 281 22, 802 50, 100 63, 140 170, 200 262, 512 7, 033	3, 264, 552 11, 559, 501 22, 886, 274 42, 050, 860 71, 234, 122 163, 424, 345 232, 113, 896 631, 548, 701 1, 191, 529, 660 43, 042, 741	320, 243 890, 224 1,542, 152 2, 885, 197 5, 139, 471 10, 264, 187 11, 663, 586 46, 425, 123 162, 769, 336	4, 214, 239 13, 305, 883 30, 168, 140 59, 741, 294 119, 146, 715 283, 316, 774 358, 216, 577 1, 302, 690, 792 3, 533, 519, 083	8, 983, 715 31, 030, 594 65, 669, 347 126, 363, 6367 568, 081, 277 676, 946, 666 2, 596, 689, 754 6, 549, 413, 006
Totals	13, 276	606, 362	2, 412, 654, 652	241, 899, 519	5, 704, 319, 497	10, 864, 028, 332
Manitoba: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 100,000 " 199,999 500,000 " 499,999 5,000,000 " 999,999 5,000,000 " 999,999 1,000,000 " 499,999 5,000,000 " 499,999 Tooloo " 499,999	418 270 204 173 158 169 116 103 23	526 759 1,022 1,563 2,333 4,736 5,884 12,535 12,732 292	608, 222 1, 548, 623 2, 575, 956 4, 288, 293 6, 513, 723 13, 853, 182 18, 515, 410 44, 210, 723 49, 400, 158 1, 345, 195	64, 012 127, 140 166, 268 309, 958 469, 692 719, 245 1, 317, 020 2, 529, 258 7, 206, 772	887, 844 2, 013, 599 3, 101, 188 5, 625, 787 11, 553, 550 28, 189, 110 44, 283, 431 104, 890, 322 196, 908, 341	1,830,532 4,488,719 7,193,370 12,567,232 22,640,009 52,492,912 79,084,500 203,588,340 310,165,709
Totals	1, 634	42, 382	142, 859, 485	12, 909, 365	397, 453, 172	694, 051, 323

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and each Province, classified according to the Selling Value of Factory Shipments per Establishment, 1958 - Concluded

Establishments • numt	Employees ber 481 374	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
390 139 117	481		doll	ars	
139 117					
68 76 35 34 12	792 827 1,405 1,405 2,879 3,327	372,174 804,877 1,424,844 2,161,392 2,826,284 4,797,387 4,770,755 10,651,269 14,317,154 1,102,276	53,100 72,939 147,276 222,307 351,080 599,892 472,551 1,502,162 5,523,819	624,349 894,387 1,669,052 3,046,854 4,390,125 14,535,833 14,742,743 33,968,874 124,961,757	1, 274, 856 2, 257, 814 4, 210, 550 6, 814, 479 9, 648, 241 25, 266, 251 24, 340, 645 66, 597, 134 190, 888, 471
970	12, 283	43, 228, 392	8, 945, 126	198, 833, 974	331, 298, 441
419 253 253 209 216 189 87 103 33 —	511 737 1, 236 1, 685 2, 494 4, 071 3, 384 11, 738 11, 655 349	484, 915 1, 570, 522 3, 295, 026 4, 949, 019 7, 703, 981 13, 989, 592 12, 174, 494 44, 827, 786 46, 993, 443 2, 056, 401 140, 135, 179	69,872 126,121 208,665 336,243 685,832 1,224,389 652,755 5,022,433 8,179,371	746, 921 1, 744, 737 3, 796, 939 6, 971, 922 15, 092, 317 31, 507, 350 33, 315, 790 120, 903, 894 279, 231, 977	1,601,918 4,222,809 9,070,650 15,291,219 29,797,796 58,944,022 60,663,372 227,098,276 441,561,932
781 713 592 556 486 661 283	1,128 2,100 3,038 4,580 6,587 20,568 60,541 1,680	1,272,991 4,119,334 7,883,539 14,321,737 22,673,522 76,847,274 268,704,775 10,805,037	128, 189 408, 354 641, 606 1, 131, 294 1, 802, 043 5, 529, 416 40, 912, 052	1,706,743 5,590,759 9,107,378 17,042,472 32,614,750 154,386,339 745,491,185	3, 650, 038 11, 806, 829 21, 305, 179 39, 636, 743 69, 139, 943 290, 193, 087 1, 363, 228, 64
4,072	100, 222	406, 628, 209	50, 556, 981	965, 939, 626	1, 798, 960, 459
3 4 5 4	5 11 31 98	4,200 47,578 112,771 513,608	543 7, 134 12, 264 356, 258	11,550 59,807 114,361 2,554,466	21, 040 168, 972 335, 992 3, 453, 485 3, 979, 489
	688 68 76 76 78 12 — 970 970 970 970 970 970 970 970 970 970	68 827 76 1, 405 35 1, 407 34 2, 879 12 3, 327 197 970 12, 283 419 511 253 1, 235 209 1, 685 216 2, 494 189 4, 071 87 3, 384 103 11, 738 33 11, 655 - 349 1, 762 37, 860 781 1, 128 713 2, 100 592 3, 038 556 4, 587 661 20, 568 283 60, 541 - 1, 680 4, 072 100, 222	68 827 2 266 284 76 76 1,405 4,797,387 35 1,405 4,797,387 35 1,405 4,797,387 35 1,407 10,651,269 12 3,327 14,317,154 1,102,276 970 12,283 43,228,392 449 551 1,570,522 253 1,236 3,295,026 209 1,685 4,949,019 216 2,494 7,793,981 189 4,071 13,989,592 87 3,384 12,174,494 103 11,738 4,827,786 33 11,655 48,993,443 - 349 2,056,401 1,762 37,860 140,135,179 781 1,128 1,272,991 713 2,100 4,119,334 592 3,038 7,883,539 556 4,580 14,321,737 4,866 6,587 22,673,522 661 20,568 76,847,274 283 60,541 268,704,775 - 1,680 10,805,037 4,072 100,222 406,628,209	68 827 2,826,284 351,080 76 1,405 4,797,387 599,892 35 1,407 4,770,755 472,551 34 2,879 10,651,269 1,502,162 12 3,327 14,317,154 5,523,819 - 197 1,102,276 5,523,819 970 12,283 43,228,392 8,945,126 419 511 4,84,915 69,872 253 737 1,570,522 126,121 253 1,236 3,295,026 208,665 209 1,685 4,949,019 366,243 216 2,494 7,793,981 685,832 189 4,071 13,989,592 1,224,389 87 3,334 12,174,494 552,755 103 11,738 44,827,786 5,022,433 33 11,655 48,993,443 8,179,371 - 349 2,056,401 - 1,762 37,860 140,135,179 16,705,681 781 1,128 1,272,991 128,189 713 2,100 4,119,334 408,354 592 3,038 7,883,539 61,606 552 3,038	68 627 2,826,284 351,080 4,300,125 76 1,405 4,797,387 599,892 14,535,833 35 1,407 4,770,755 472,551 14,742,743 34 2,879 10,651,269 1,502,162 33,968,874 12 3,327 14,317,154 5,523,819 124,961,757 970 12,283 43,228,392 8,945,126 198,833,974 419 511 484,915 69,872 746,921 253 737 1,570,522 126,121 1,744,737 253 1,236 3,295,026 208,665 3,796,939 209 1,685 4,949,019 336,243 6,971,922 216 2,494 7,793,961 685,832 15,092,317 189 4,071 3,989,592 1,224,389 31,507,357 87 3,344 12,174,494 852,755 35,315,790 103 11,738 44,827,786 5,022,433 120,903,894 33 1,655 48,993,443 8,179,371 279,231,977 - -<

¹ Under this heading are included only those head offices that are not located at the plant.

SECTION 2. THE MANUFACTURES OF THE ATLANTIC PROVINCES

The Atlantic Provinces are of economic importance in a number of fields, such as pulp and paper, fish processing, sawmills, petroleum products and primary iron and steel. In Newfoundland manufacturing production is dominated by the forest and fisheries resources. Pulp and paper was the most important industry in 1958 with shipments valued at \$61,003,231, followed by fish processing with \$15,661,753. These two industries accounted for 66 per cent of the total production of the Province. In Prince Edward Island agriculture and fishing resources make butter and cheese, slaughtering and meat packing, and fish processing the leading industries. Nova Scotia is renowned for its coal mines and its fisheries as well as extensive forest and agricultural lands and is favoured with easy access by sea to the highgrade iron-ore supply of Newfoundland. On these resources are based the leading manufactures of primary iron and steel, fish processing, pulp and paper, shipbuilding and sawmills. In addition, an important petroleum refinery, railway rolling stock, coke and gas, miscellaneous iron and steel and aircraft plants add to the diversification of the Province. The forests of New Brunswick give a leading place to its pulp and paper and sawmilling industries. Other important manufacturing and processing activities are based on fish and agricultural resources. There are also a number of metal working industries, such as heating and cooking apparatus, brass and copper products, etc.

Nova Scotia and New Brunswick, despite the lack of large rivers, have valuable sources of hydraulic power, a considerable portion of which has been developed. Tentative estimates give Newfoundland a potential of 1,600,000 h.p. at ordinary minimum flow, while in Labrador, the Hamilton River is outstanding as a potential source of power. Turbine installation at the end of 1958 totalled 370,570 h.p. in Newfoundland, 1,882 in Prince Edward Island, 182,898 in Nova Scotia and 254,130 in New Brunswick. Compared with Quebec, Ontario and British Columbia, the installed power in the Atlantic Provinces, is very small, amounting to 809,480 h.p. This compares with a total of 1,196,745 h.p. in the Prairie Provinces and 22,376,048 h.p. in the whole of Canada.

Manufacturing establishments reporting in 1958 numbered 3,183 for the Atlantic Provinces as a whole. These plants furnished employment to 60,990 persons who were paid \$179,706,278 in salaries and wages. They also shipped goods

with a selling value at the factory of \$867,817,992 and spent \$459,184,326 for materials, while the value added by manufacture totalled \$372,976,981,

Considering the Atlantic Provinces as an economic unit, pulp and paper was the leading industry in 1958 with factory shipments valued at \$177,110,505.Fish processing and packing with factory shipments valued at \$84,801,250 was in second place. Other leading industries, in order of importance and with shipments exceeding \$30,000,000, were: petroleum products, primary iron and steel, sawmills and sugar refining. These six industries accounted for 55 p.c. of the total value of factory shipments of the Atlantic Region. Other leading industries with shipments of \$10 to \$30 million and no rader of importance were: butter and cheese, railway rolling stock, slaughtering and meat packing, bread and other bakery products, shipbuilding and repairs, miscellaneous food preparations, sash, door and planing mills, printing and publishing, breweries, prepared stock and poultry feeds, carbonated beverages and coke and gas.

For the Atlantic Provinces as a whole there was a drop of 5.7 p.c. in the number of persons employed and 1.6 p.c. in the number of persons employed and 1.6 p.c. in the value of factory shipments in 1958 as compared with the previous year. Most of the industries producing consumer goods reported increased shipments in 1958 as compared with 1957. Of the industries with shipments of over \$10 million, prepared stock and poultry feeds had the highest increase of 12.8 p.c., followed by breweries with an increase of 11.1 p.c., carbonated beverages 10.9 p.c., slaughtering and meat packing 8.5 p.c., printing and publishing 5.9 p.c., sash, door and planing mills 5.5 p.c., butter and cheese 4.9 p.c., fish processing 4.5 p.c., miscel-

laneous food preparations 2.7 p.c., bread and other bakery products 2.0 p.c. and petroleum products 1.9 p.c. Three of the consumer goods industries in this group reported decreased shipments, these were, pulp and paper, sugar refining and coke and gas. The industries manufacturing producer or durable goods reported substantial declines in value of shipments, Railway rolling stock was down 22.5 p.c., shipbuilding and repairs 19,5 p.c., sawmills 15.6 p.c. and primary iron and steel 0.6 p.c. Miscellaneous iron and steel products which in 1957 had shipments of over \$10 million reported a severe decline in 1958, its value of shipments dropping below the \$10 million mark.

In the Atlantic region the program of industrial development has been more selective than in some of the other provinces. Fish processing, new sawmills, increased pulp-making capacity and the manufacture of non-metallic building materials like cement and gypsum products have accounted for well over half of the industrial growth. There are however, a few outstanding exceptions. Two sizeable defence plants have been established in Nova Scotia, one to repair and overhaul naval aircraft and the other to build and repair radar and related electronic equipment. Considerable development has taken place in Newfoundland. Besides plants for the manufacture of cement and gypsum wallboard and plaster, factories for producing boots and shoes, birch veneer, leather goods, industrial machinery and a leather tannery were established, thus broadening the industrial base of the province. With these exceptions, most of the developments in the Atlantic Provinces have been either small and scattered or confined to the modernization and expansion of manufacturing facilities that were already established at the close of World War II.

Principal Statistics of the Atlantic Provinces, 1958

Province	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
Newfoundland Prince Edward Island Nova Scotia New Brunswick Totals	768 179 1,297 939	9,604 1,632 29,010 20,744 60 ,990	29, 234 3, 390 86, 005 61, 077 179, 706	thousands 52,156 19,203 217,264 170,561 459,184	58,045 7,266 176,998 130,668 372,977	116, 979 26, 888 411, 929 312, 022 867, 818

In spite of the rapid development in the Atlantic provinces since 1949 manufacturing production did not quite keep pace with the development in the more industrialized provinces of Ontario, Quebec and British Columbia. This is indicated by the drop in the Atlantic Provinces' share of the Canadian total from 4.52 in 1949 to 3,92 in 1958. In number of persons employed there was a decrease 4.6 per cent for the Atlantic Provinces as compared with an increase of 9.9 per cent for Canada as a whole. For salaries and wages paid the increase was 50.7 per cent as compared with 85.1 per cent for Canada, and in selling value of factory shipments the increase was 50.8 per cent for the Atlantic Provinces and 77.5 per cent for Canada as a whole. The increased employment since 1949 reported by Newfoundland was offset by the major decline of 11.5 p.c. in New Brunswick and minor declines in Prince Edward Island

and Nova Scotia, resulting in a net decrease of 4.6 p.c. for the Atlantic Region as compared with an increase of 9.9 p.c. for Canada as a whole.

As mentioned previously, the drop in manufacturing employment in 1958 over 1957 in the Atlantic Provinces was 5.7 p.c., accompanied by a decrease of only 1.6 p.c. in the selling value of factory shipments. This compares with a decrease of 5.0 p.c. in employment and 0.1 p.c. in factory shipments for Canada as a whole, All provinces reported lower employment, ranging from 8.3 p.c. for Newfoundland to 1.1 p.c. for New Brunswick, In value of factory shipments the trend was varied. Nova Scotia reported a drop of 3.6 p.c. while Prince Edward Island reported an increase of 7.8 p.c. Newfoundland was fractionally lower while New Brunswick was fractionally higher.

Variation in Employment and Factory Shipments, 1958 Compared with 1949

		Salaries	Selling value of factory
Province	Fmployees	and wages	of factory shipments
		per cent	
Newfoundland¹ Prince Fdward Island Nova Scotia. New Brunswick Atlantic Provinces. Canada.	+ 4.0 - 6.6 - 0.7 -11.5 - 4.6 + 9.9	+62.6 +58.9 +57.3 +38.1 +50.7 +85.1	+49.5 +48.4 +66.4 +34.8 +50.8 +77.5

¹ Exclusive of fish processing.

TABLE 5. Principal Statistics of the Leading Industries of Newfoundland, 1958

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		nun	nber		dol	llars	
9 10	Pulp and paper¹ Fish processing Breweries Bread and other bakery products Carbonated beverages Sash, door and planing mills Printing and publishing Sawmills Biscuits Concrete products Other leading industries³ Totals, leading industries	2 35 3 12 11 25 6 549 3 6 11	2, 971 2, 326 204 277 168 229 270 803 158 60 930	15,098,491 3,909,858 713,850 759,098 438,363 640,440 903,704 299,165 334,491 127,830 3,215,994 26,441,284	26,736,005 8,089,308 995,029 1,683,027 926,959 1,652,025 310,099 1,080,121 565,938 5,926,970	29,702,009 6,602,920 3,297,165 1,507,633 2,079,878 1,122,795 1,726,605 767,551 752,311 492,357 5,509,342	61,003,231 15,661,753 4,404,324 3,286,525 3,051,493 2,803,783 2,809,760 1,897,3272 1,429,283 1,097,963 11,810,837 108,536,279
	Totals, all industries	768	9,604	29, 233, 569	52, 156, 291	58, 044, 514	116, 979, 200

TABLE 6. Principal Statistics of the Leading Industries of Prince Edward Island, 1958

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		num	ber		doll	ars	
1 2 3 4 5 6 7	Butter and cheese Fish processing Feeds, stock and poultry, prepared Fruit and vegetable preparations Milk pasteurizing Sawmills Other leading industries ²	15 22 13 7 11 48 6	175 357 55 80 46 99 463	439,663 412,276 102,296 118,984 116,965 87,312 1,336,093	4,757,333 2,294,958 795,546 514,180 393,886 277,825 9,174,208	929,024 659,247 221,891 412,290 211,360 215,407 3,214,891	5,970,561 2,968,725 1,024,462 876,597 626,221 504,601 12,432,963
	Totals, leading industries	122	1, 275	2, 613, 589	18, 207, 936	5,864,110	24, 404, 130
	Totals, all industries	179	1,632	3,389,985	19, 203, 457	7, 266, 497	26, 887, 728

TABLE 7. Principal Statistics of the Leading Industries of Nova Scotia, 1958

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		nun	nber		dol	lars	
1 2 3 4 5 6 6 7 8 9 9 10 0 11 12 13 14 15 16 16 17 18	Primary iron and steel Fish processing Pulp and paper Shipbuilding Sawmills Butter and cheese Bread and other bakery products Sash, door and planing mills Printing and publishing Milk pasteurizing Confectionery Knitted goods, other than hosiery Miscellaneous food preparations Fruit and vegetable preparations Freds, stock and poultry, prepared Carbonated beverages Miscellaneous wood products n.e.s. All other leading industries Totals, leading industries Totals, all industries	3 138 3 17 467 21 76 51 26 30 0 6 3 11 11 77 16 27 77 18 937	3,999 4,015 1,227 2,470 2,055 701 8877 712 878 453 904 731 240 515 121 260 118 4,338 24,604 29,010	17, 036, 986 8, 035, 952 4, 848, 442 8, 514, 745 3, 102, 697 1, 956, 792 2, 157, 562 1, 778, 454 3, 022, 777 1, 316, 062 1, 740, 952 1, 553, 685 1, 023, 448 300, 922 772, 212 346, 062 16, 641, 868 74, 604, 570 86, 005, 553	25,557,796 30,203,103 8,419,060 6,431,018 8,020,853 7,617,078 4,571,028 3,834,040 1,773,085 4,629,514 3,527,530 2,971,322 2,974,971 2,907,827 4,041,776 1,538,805 79,228,959 199,468,569 217,263,603	24, 282, 826 15, 263, 985 11, 749, 698 10, 523, 946 5, 817, 389 3, 603, 132 4, 364, 892 5, 730, 366 1, 839, 064 2, 386, 693 2, 700, 339 2, 247, 041 1, 897, 959 986, 962 3, 219, 356 995, 881 54, 878, 296	54, 815, 366 47, 229, 001 21, 668, 376 17, 280, 939 ⁴ 14, 131, 372 ¹ 11, 547, 796 9, 285, 552 8, 330, 509 7, 583, 906 6, 727, 396 6, 727, 396 5, 932, 211 5, 892, 309 5, 272, 046 5, 088, 261 5, 075, 859 4, 910, 957 2, 235, 762 139, 312, 287 372, 319, 905 411, 929, 247

Publication of these figures was authorized by the firms concerned.
 Reported on a production basis.
 Includes: Dairy products, n.e.s.; Cement, hydraulic; Gypsum products; Miscellaneous food preparations; Paints, varnishes and lacquers; Railway rolling stock; Slaughtering and meat packing and Machinery, industrial.

Reported on a production basis.
 Includes: Bags, cotton and jute; Fertilizers; Printing and publishing; Slaughtering and meat packing.

Reported on a production basis.
 Includes: Breweries; Cotton yarn and cloth; Boxes and bags, paper; Bridge and structural steel work; Wire and wire goods; Miscellaneous iron and steel products; Aircraft and parts; Railway rolling stock; Salt; Coke and gas; and Petroleum products.

TABLE 8. Principal Statistics of the Leading Industries of New Brunswick, 1958

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		nun	nber		doll	ars	
1	Pulp and paper Fish processing Sawmills Slaughtering and meat packing	7	4,018	17,996,129	41,711,123	45,586,585	94, 438, 898
2		126	2,427	3,606,663	12,793,479	6,499,401	18, 941, 771
3		300	2,170	4,189,165	10,439,709	7,398,512	18, 118, 105 ¹
4		4	410	1,529,924	11,394,537	1,878,033	13, 345, 045
5	Butter and cheese Miscellaneous food preparations Bread and other bakery products Sash, door and planing mills	30	476	1,331,420	8,468,625	3,032,718	11,808,931
6		13	386	788,508	7,419,725	3,457,127	10,825,732
7		58	925	2,205,302	4,949,583	4,731,299	10,111,813
8		61	675	1,639,114	4,794,756	2,494,038	7,407,709
9	Feeds, stock and poultry, prepared Heating and cooking apparatus Printing and publishing Fertilizers	16	175	455,408	6,185,080	960,418	7,208,188
10		3	645	1,920,889	2,864,545	3,442,575	6,141,888
11		19	642	2,081,798	1,018,716	3,611,701	4,710,619
12		3	122	426,300	2,971,709	915,475	4,429,997
13	Boxes and bags, paper Carbonated beverages Sheet metal products Footwear, leather	9	226	595,875	2,086,480	1,278,020	3,368,063
14		25	205	568,341	1,032,201	2,040,791	3,208,140
15		5	96	283,723	1,768,776	854,988	2,474,669
16		4	358	723,952	1,053,881	1,390,785	2,419,091
17	Biscuits Milk pasteurizing Confectionery Other leading industries ²	3	196	505,211	1,193,301	1,057,901	2, 284, 573
18		22	135	343,526	1,463,235	688,919	2, 231, 180
19		4	305	622,816	1,091,573	1,082,395	2, 220, 932
20		10	3,496	12,327,454	35,321,179	26,132,478	62, 832, 287
	Totals, leading industries	722	18,088	54, 141, 518	160, 022, 213	118, 534, 159	288, 527, 631
	Totals, all industries	939	20, 744	61, 077, 171	170, 560, 975	130, 668, 021	312, 021, 817

1 Reported on a production basis.

SECTION 3. THE MANUFACTURES OF OUEBEC

Quebec with about 30 per cent of Canada's total selling value of factory shipments ranks as the second largest industrial province in Canada. The manufacturing industries of Quebec in 1958 shipped goods with a record selling value at the factory of \$6,754,798,278 and represents an increase of 1.1 p.c. over the previous year. In spite of increased shipments the number of persons employed at 429,358 was 4.5 p.c. lower. This result conforms to the trend in recent years for employment to increase at a lower rate than the volume of production, With the increase in automation and technological improvements this trend will in all probability continue at an accelerated pace. Indications of this trend is the increase since 1949 for Canada as a whole of 39.1 p.c. in the volume of production as compared with an increase of only 10.2 p.c. in the number of persons employed. Since indexes of volume of production are not available by provinces no direct comparisons can be made for Quebec. There is no doubt, however, that the volume of production in Quebec in 1957 was the highest on record, since the number of persons employed that year totalling 449,383 was also the highest on record. With the decline of 4.5 p.c. in the number of employees in 1958 as compared with 1957 it is almost certain that the volume of production also declined in 1958, although not to the same extent.

The recovery from the minor recession of 1954 which began in 1955 continued at an accelerated pace in 1956. This expansion in manufacturing production continued until the fall of 1957 when another downturn began. In spite of the slowing down in production, the manufacturing industries of Quebec managed to record an increase of 2.0 p.c. in selling value of factory shipments between 1956 and 1958, bringing the total of \$6,754,798,278 to a record level. In employment, however, there was a loss between 1956 and 1958 of 3.8 p.c. as compared with a loss of 4.7 p.c. for Canada as a whole. The nondurable or consumer goods industries which contribute 63 p.c. to the total manufacturing production of the province reported a decline of 1.8 p.c. in the number of persons employed and an increase of 6.5 p.c. in the value of factory shipments between 1956 and 1958, while the durable goods industries, which were more severely affected by the minor recession, recorded a decline of 7.0 p.c. in the number employed and a decline of 5.6 p.c. in value of factory shipments during the same period.

On the basis of employment provided, the non-durable or consumer goods industries in 1958 contributed 272,250 or 63.4 p.c. of the total manufacturing employment in Quebec, while the durable goods industries contributed the balance of 157,108 or 36.6 p.c. of the total. The clothing industries constituted the leading group in the non-durable goods sector with 55,513 employees. They were followed by foods and beverages with 48,755, paper products 36,262, textiles 35,879, chemicals and allied products 21,346, printing, publishing and allied industries 19,819, leather products 15,730, miscellaneous industries 11,238, knitting mills 10,794, tobacco and tobacco products 7,618, rubber goods 5,715 and products of petroleum and coal 3,581. In the durable goods sector the industries producing iron and steel products with 40,822 employees ranked as the major group. This was followed by transportation equipment with 32,149, wood products 30,922, electrical apparatus and supplies 22,514, non-ferrous metal products 18,440 and nonmetallic mineral products 12,261.

In the non-durable goods sector the trend in physical output as represented by the variation in the number of employees was mixed during 1957 and 1958. As compared with 1956 five of the groups in 1958 reported increases, six reported decreases and one, viz., tobacco and tobacco products remained practically unchanged. The miscellaneous industries group with an increase of 6.8 p.c. in the number of employees reported the greatest increase in production. This was followed by foods and beverages with an increase of 3.4 p.c., knitting mills 2.9 p.c., printing, publishing and allied industries 1.4 p.c. and chemicals and allied products 0.7 p.c. Of the six groups reporting declines in volume of production, the rubber products group reported the greatest decline of 16.9 p.c. This was followed by textiles with a drop of 9.8 p.c., leather products 5.7 p.c., paper products 2.6 p.c., products of petroleum and coal 2.2 p.c. and clothing 1.7 p.c. In the durable goods sector all groups, with the exception of non-metallic mineral products which reported an increase of 4.1 p.c., reported lower volume. The greatest decline of 10.8 p.c. was reported by wood products, followed by iron and steel products with 8.5 p.c., electrical apparatus and supplies 7.4 p.c., non-ferrous metal products 6.0 p.c. and transportation equipment 5.2 p.c.

¹ Includes: Breweries; Brass and copper products; Brooms, brushes and mops; Cement, hydraulic; Railway rolling stock; Shipbuilding and Sugar refining.

The change in the pattern of manufacturing employment in Quebec between 1953 and 1958 is illustrated in the table following. During this period there was a loss of employment in the durable goods industries of 7.2 p.c. while the total of the industries producing non-durable or consumer goods remained practically unchanged. As a result of this change in the pattern of employment the non-durable goods industries increased their proportion of the total manufacturing employment from 61.6 p.c. in 1953 to 63.4 p.c. in 1958, while the durable goods industries declined in importance to 36.6 p.c. from 38.4

p.c. Seven of the industries of the non-durable goods sector reported higher employ.nent between 1953 and 1958, ranging between 13.6 p.c. for the miscellaneous industries group to 1.5 p.c. for tobacco and tobacco products. Five groups reported declines which ranged from 12.5 p.c. for textiles to 6.9 p.c. for clothing. In the durable goods sector the variations ranged between an increase of 21.9 p.c. for non-metallic mineral products to a loss of 26.5 p.c. for transportation equipment, with non-ferrous metal products remaining practically unchanged.

Pattern of Manufacturing Employment in Quebec, 1958 and 1953

	Employees Percentage of the total			of the total	Percentage variation,
	1958	1953	1958	1953	1953 - 58
Non-durable goods: Foods and beverages Tobacco Rubber products Leather products Textiles Knitting mills Clothing Paper products Printing, publishing and allied industries Products of petroleum and coal Chemicals and allied products Miscellaneous industries Miscellaneous industries	48, 755 7, 618 5, 715 15, 730 35, 879 10, 794 55, 513 36, 262 19, 819 3, 581 21, 346 11, 238	44, 929 7, 503 6, 283 17, 855 41, 009 10, 274 59, 611 32, 476 17, 806 3, 924 20, 649 9, 890 272, 209	11.4 1.8 1.3 3.7 8.4 2.5 12.9 8.4 4.6 0.8 5.0 2.6	10, 2 1, 7 1, 4 4, 0 9, 3 2, 3 13, 5 7, 4 4, 0 0, 9 4, 7 2, 2	+ 8.5 + 1.5 - 9.0 -11.9 9 -12.5 + 5.1 - 6.9 +11.7 +11.3 - 8.7 + 3.4 +13.6
Durable goods: Wood products Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Totals	30, 922 40, 822 32, 149 18, 440 22, 514 12, 261	33, 972 42, 683 43, 745 18, 426 20, 458 10, 062 169, 346	7.2 9.5 7.5 4.3 5.2 2.9	7. 7 9. 7 9. 9 4. 2 4. 6 2. 3	- 9.0 - 4.4 -26.5 +10.0 +21.9
Grand totals	429,358	441,555	100, 0	100.0	- 2.8

Quebec has developed its \$6.8 billion manufacturing output with such leading industries as pulp and paper, non-ferrous metal smelting and refining, petroleum products, slaughtering and meat packing, cotton yarn and cloth, men's and women's clothing, tobacco, cigars and cigarettes, synthetic textiles and silk, rallway rolling stock, leather footwear and miscellaneous electrical apparatus. In common with the rest of Canada, Quebec experienced a great industrial expansion following the second World War. Nor was this expansion confined to the existing industrial areas, but spread to many towns and villages in the accessible areas of the province.

Quebec's leading industry is pulp and paper with an output of approximately \$556 million in 1958. Quebec is a principal world centre for the production of newsprint with 55 major pulp and paper plants concentrated in the Trois Rivieres and Shawinigan Falls districts as well as along the Saguenay. Ottawa, and St. Lawrence rivers. The production of non-ferrous metals has expanded considerably during the past decade. The output of aluminum in Canada has made impressive strides during the past years and reached a record total of 634,000 tons in 1958. Quebec, with its new furniture factories, its new titanium smelter and its expanded aluminum-making facilities, is challenging Ontario's long established lead in a number of the wood and non-ferrous metal products industries.

There are several important factors which contributed to the great industrial development of the Province. To begin with, the geographic situation of the Province is extremely favourable, with an excellent large harbour 800 miles inland where seagoing vessels of heavy tonnage can dock. There is also an extensive highway system linking the small rural areas to the big industrial centres. Other significant factors include

abundant forest resources, water power, minerals, agricultural lands and, of even more importance, an industrious and stable population.

Quebec is the richest of the provinces in available water power resources, its present hydro installations of nearly 10,000,000 h.p. representing about 44 p.c. of the total for Canada. The province continued to expand its hydro-electric power facilities during 1958 with a net capacity increase of 900,000 h.p. Most of the developed sites are owned by private corporations but the provincial government through its Quebec Hydro-Electric Commission is the major producer in the hydroelectric field. The largest single electric station in Canada, the Commission's Beauharnois development on the St. Lawrence River about 30 miles upstream from Montreal, has an installed capacity of 1,424,000 h.p. Its total capacity will be increased to 2,235,000 h.p. in 1961 when the final section of the development is brought into operation. The Commission's Bersimis I plant on the Bersimis River was completed in 1958 raising the total plant capacity to 1,200,000 h.p. Bersimis II, to be completed in 1960 will provide an additional 855,000 h.p. Four other Commission developments totalling 354,000 h.p. are located on the St. Lawrence and Ottawa Rivers. The Aluminum Company of Canada has the second largest installed capacity in the province with four developments on the Saguenay and Peribonca Rivers totalling 2,040,000 h.p. The Chute des Passes development under construction on the Peribonca will add another 1,000,000 h.p. when completed in 1960. The Shawinigan Water and Power Company, which supplies power for the area between Montreal and Quebec and southward across the St. Lawrence River, has seven plants on the St. Maurice River with a total capacity of 1,753,500 h.p. - the seventh, at Rapide Beaumont, was completed in 1958-and about ten smaller developments on other rivers. Quebec thus excels in both the size of its hydro-electric installations as well as in the magnitude of horse power developed.

Two of the most important industrial developments in Quebec today are the Ungava iron ore project and the new titanium industry. With the exploitation of the Ungava iron deposits on which it is believed, the future of the great steel industries of this Continent rests, Quebec's industrial base is being expanded to the point where the future industrial development of this Province is well assured.

Quebec's industries are not as diversified as those of Ontario, although a number have an output approximately half or more of the total Canadian production. The manufacture of pulp and paper occupies the premier position. Fifty years ago this industry had hardly come into existence in the Province and in the mid-1920's the annual gross value of production had not yet reached \$100,000,000. By the end of 1958 it accounted for about 8 p.c. of the gross value of Quebec's manufactures and for about 40 p.c. of the Canadian total for this industry. Other large industries in which Quebec predominates, with their percentage of the Canadian total, are: tobacco, cigars and cigarettes 87.1; women's factory clothing 69.8; cotton yarn and cloth 68.2; leather footwear 56.3; men's factory clothing 54.3; synthetic textiles 50.7; miscellaneous electrical apparatus and supplies 47.9; non-ferrous metal smelting and

refining 45.6; medicinal and pharmaceutical preparations 45.6; shipbuilding and repairs 42.4; railway rolling stock 41.8; aircraft and parts 40.0; pulp and paper 39.9; acids, alkalies and salts 38.3; brass and copper products 35.5; petroleum products 34.2; furniture 33.7 and miscellaneous chemical products 31.9.

Quebec also predominates in a large number of the smaller industries. The candle industry with 93.6 p.c. of the Canadian total was the leading industry in this category. Other industries with their percentage of the total are: men's clothing contractors 93.5; women's clothing contractors 92.7; oiled and water-proofed clothing 91.0; cotton thread 81.8; children's clothing 78.5; embroidery pleating and hemstitching 76.7; narrow fabrics 75.1; oilcloth, linoleum and other coated fabrics 73.2; fur dressing and dyeing 72.1; lasts, trees and shoe findings 70.9; process cheese 70.4; miscellaneous clothing 70.0; boot and shoe findings leather 67.6; artificial flowers and feathers 63.4, dyeing and finishing of textiles 63.0; fur goods 59.0; corsets 57.8; buttons, buckles and fasteners 57.2; miscellaneous textiles 56.0; woollen cloth 50.3; and asbestos products 47.0.

Manufacturing establishments reporting in 1958 numbered 11,828. These plants furnished employment to 429,358 persons who received \$1,476,605,908 in salaries and wages. They also shipped goods with a selling value of the factory of \$6,754,798,278 and paid out \$3,597,784,845 for materials used. The value added by manufacture totalled \$2,970,774,755.

TABLE 9. Principal Statistics of the Forty Leading Industries of Quebec, 1958

	TABLE 9. Principal Statistics of the Forty Leading Industries of Quebec, 1958									
No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments			
		nun	nber		dol	llars	'			
1 2 3 4 5	Pulp and paper Non-ferrous metal smelting and refining Petroleum products Slaughtering and meat packing Aircraft and parts	11 8 52	27,100 11,438 2,969 5,408 14,449	126, 473, 048 55, 351, 405 15, 930, 421 19, 998, 663 66, 292, 029	233, 916, 862 337, 215, 962 279, 375, 653 187, 944, 206 70, 349, 998	281, 137, 414 145, 706, 042 171, 663, 141 44, 098, 078 113, 100, 033	556, 228, 761 517, 372, 767 467, 749, 150 ¹ 231, 513, 935 184, 945, 745 ¹			
6 7 8 9 10	Clothing, women's, factory Tobacco, cigars and cigarettes Miscellaneous electrical apparatus and supplies Butter and cheese Clothing, men's, factory	16 45 506	17,140 7,297 13,194 4,992 15,079	44,695,123 27,608,504 54,283,434 14,513,452 37,496,545	95, 180, 157 95, 690, 662 71, 193, 521 125, 117, 964 82, 204, 935	72, 296, 983 75, 814, 683 87, 167, 530 30, 499, 013 60, 062, 941	174,733,860 171,610,647 166,481,500 159,096,720 143,636,208			
11 12 13 14 15	Cotton yarn and cloth Railway rolling stock Miscellaneous food preparations Furniture Acids, alkalies and salts	6	12,549 9,827 2,887 11,326 4,205	34,376,744 38,356,733 9,950,778 32,792,934 20,483,210	89,388,078 82,405,728 69,360,075 50,114,077 41,978,951	50, 091, 081 39, 173, 617 42, 381, 201 53, 265, 118 50, 805, 882	143,506,795 123,623,418 ¹ 111,049,885 104,143,494 99,892,024			
16 17 18 19 20	Bread and other bakery products Machinery, industrial Boxes and bags, paper Synthetic textiles and silk Feeds, stock and poultry, prepared	924 68 69 33 343	10, 456 7, 268 5, 510 9, 292 2, 294	28,707,406 28,209,228 17,902,006 28,606,330 6,523,100	46,687,888 39,702,270 55,345,920 45,366,865 68,136,924	47,017,004 45,059,963 34,679,507 40,587,774 16,099,142	96, 883, 092 91, 072, 715 90, 342, 945 89, 912, 855 85, 083, 063			
21 22 23 24 25	Footwear, leather Sheet metal products Printing and publishing Sawmills Bridge and structural steel work	145 109 78 1,287 18	11,714 4,621 6,805 7,458 5,167	28,441,386 18,508,341 29,132,849 15,428,911 23,431,145	40, 259, 808 38, 891, 104 22, 372, 205 47, 768, 727 32, 756, 416	41,991,479 39,677,904 54,516,533 27,393,294 37,578,394	82, 902, 361 79, 118, 485 77, 113, 139 76, 362, 970 ¹ 70, 968, 327 ¹			
26 27 28 29 30	Medicinal and pharmaceutical preparations Printing and bookbinding Miscellaneous chemical products Shipbullding Brass and copper products	86 610 85 11 39	3,943 7,803 5,902 6,541 2,657	14, 989, 731 27, 974, 948 23, 340, 197 26, 640, 443 10, 966, 571	21,178,292 25,814,381 34,449,150 24,834,653 40,500,122	50, 118, 275 44, 037, 686 33, 973, 114 37, 220, 171 20, 904, 435	70,655,146 70,287,409 69,470,876 62,850,338 ¹ 62,559,617			
31 32 33 34 35	Breweries Carbonated beverages Primary iron and steel Sash, door and planing mills Rubber goods, including footwear	5 187 16 671 33	2,553 2,581 3,560 5,405 5,715	11,655,644 8,750,380 15,194,173 14,102,756 18,779,505	16, 370, 819 17, 069, 912 21, 094, 850 33, 376, 418 23, 258, 874	44,811,045 41,650,957 34,070,779 23,921,441 29,319,497	62, 132, 264 60, 009, 383 58, 836, 090 58, 306, 762 54, 519, 792			
38	Concrete products Telecommunication equipment Distilled liquors. Knitted goods, other than hosiery Wire and wire goods.	230 25 7 84 39	3,810 5,708 2,076 5,663 2,964	13,392,439 25,897,100 8,774,422 12,913,984 11,876,721	28, 535, 328 26, 894, 955 17, 638, 606 30, 414, 891 28, 301, 394	24,633,081 27,567,947 34,169,763 21,099,830 19,027,497	54, 466, 329 51, 999, 212 51, 639, 536 51, 537, 504 48, 501, 134			
	Totals, leading industries listed ²	7,372	297,326	1,068,742,739	2,738,457,601	2, 188, 389, 269	5,083,116,253			
	Totals, all industries	11,828	429,358	1,476,605,908	3, 597, 784, 845	2,970,774,755	6, 754, 798, 278			

Reported on a production basis.

² Sugar refining is also a leading industry. Statistics, however, are confidential.

SECTION 4. THE MANUFACTURES OF ONTARIO

The downturn in manufacturing production which began in the fall of 1957 continued throughout 1958. Ontario being the largest producer of durable goods which are more affected by changes in the business cycle was consequently affected more than any other province, with the exception of Nova Scotia which reported a greater decline in operations than Ontario. The selling value of factory shipments which amounted to \$10,864,028,332 was 1.9 p.c. lower than the previous year when shipments were the highest on record. Accompanying the decrease in the value of shipments was a drop of 5.8 p.c. in the number of persons employed as compared with a drop of only 5.1 p.c. for Canada as a whole. Salaries and wages at \$2,412,654,652 were only fractionally lower while value added by manufacture at \$4,914,073,665 was 2.6 p.c. lower than in 1957. Although the selling value of factory shipments in 1958 exceeded the 1953 figure by 22 p.c., the number of persons employed was 4.4 p.c. lower. This result conforms to the trend in recent years for employment to increase at a lower rate than the volume of production. With the increase in automation and technological improvements this trend will in all probability continue at an accelerated pace. Indicative of this trend is the increase since 1949 for Canada as a whole of 39.1 p.c. in the volume of production as compared with an increase of only 10.2 p.c. in the number of persons employed. Since indexes of volume of production are not available by provinces no direct comparison can be made for Ontario. As Ontario produces about 50 p.c. of the Canada total there is no doubt that the trend in Ontario was similar to that for Canada as a whole.

Ontario, which is now recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Here, the proximity of raw materials, cheap hydro-electric power, and a strategic location in relation to export markets, not only on this continent but overseas, have been the décisive factors in the development of Ontario to its present industrial position. Most of the manufactures of the province and most of its population are located in Southern Ontario. This area has the inestimable advantage of bordering on the St. Lawrence-Great Lakes waterway system which gives access westward to the heart of the continent and eastward to the shipping routes of the world, and which is also the source of most of Ontario's hydro-electricity, Many new industrial areas are being created as new industries and branch plants of established industries are increasingly being located in the smaller towns.

As Ontario is a major producer of durable goods, such as transportation equipment, primary iron and steel, telecommunication equipment and heavy electrical machinery, it therefore experiences wider fluctuations in manufacturing production than provinces producing non-durable or consumer goods. As a result, the small downturn of 1954 was more keenly felt by Ontario manufacturers, Factory shipments in that year were 3.9 p.c. lower as compared with a drop of 1.3 p.c. for Canada as a whole, while in employment the drop in Ontario was 5.6 p.c. while for Canada it was 4.5 p.c. Conversely, with the improvement during the past three years Ontario in 1957 reported an increase of 29.8 p.c. in factory shipments and 7.6 p.c. in employment as compared with 1954. This compares with increases of 26.4 p.c. and 7.2 p.c. for Canada as a whole. The minor depression of 1958 followed the usual pattern. In comparing employment and shipments with 1957 it is found that in employment Ontario manufacturers suffered a loss of 5.8 p.c. as compared with 5.1 p.c. for Canada as a whole, while in the case of shipments the declines were 1.9 and 0.1 p.c. respectively.

On the basis of employment provided, the durable goods industries in 1958 contributed 313,389 or 51.7 p.c. of the total manufacturing employment in Ontario, while the non-durable or consumer goods industries contributed the balance of 292,973 or 48.3 p.c. of the total. Iron and steel is the leading group in the durable goods sector with 112,979 employees in 1958. It was followed by the transportation equipment group with 72,703, electrical apparatus and supplies 49,991, wood products 32,494, non-ferrous metal products 24,653 and non-metallic mineral

products 20,569. In the non-durable goods sector the industries producing foods and beverages with 78,230 employees comprised the major group. This was followed by printing, publishing and allied industries with 36,209, paper products 35,947, chemicals and allied products 27,327, textiles 24,798, clothing 23,096, miscellaneous industries 21,813, rubber goods 14,167, leather and leather products 12,832, knitting mills 8,710, products of petroleum and coal 7,154, and tobacco and tobacco products 2,690.

As mentioned previously, manufacturing employment in Ontario declined by 5.8 p.c. in 1958 as compared with the previous year. Producers of non-durable goods reported a drop of 2.6 p.c. while producers of durable goods in which Ontario predominates reported a drop of 9.7 p.c. All of the groups in the durable goods sector, with the exception of non-metallic mineral products, reported declines in employment, with the transportation equipment group reporting the greatest loss of 11.5 p.c. Employment in the non-metallic mineral products group on the other hand was 2.4 p.c. higher. In the non-durable goods sector the trend of employment was mixed; three groups reporting increases and nine groups declines. Tobacco and tobacco products had an increase in employment of 43.6 p.c., miscellaneous industries 3.6 p.c. and chemicals and allied products 1.8 p.c. For the nine groups reporting lower employment the losses ranged between 11.0 p.c. for knitting mills to 1.3 p.c. for paper and paper products.

Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance and in 1958 produced about 49 per cent of the nation's manufactured goods. A vast increase of steel ingot capacity is being made possible by developments of Steep Rock Iron Mines, At Sarnia, huge investments have gone into the construction of new plant for a whole group of new products based on Alberta oil flowing through the Edmonton-Superior pipe line. Other significant developments are taking place in synthetic rubber, synthetic textiles, and industrial and consumer chemicals. Ontario has continued to gain in such traditional lines as motor vehicles, industrial and farm machinery, and the manufacture of household equipment. The same may be said of other "hard" goods like business and office machinery and electrical apparatus and supplies. Numerous plants making aircraft components and building materials have favoured the Toronto area, while chemical and synthetic textile plants have been rising in the vicinity of Sarnia and along the lower reaches of the St. Lawrence River between Cornwall and Kingston.

Ontario has the greatest diversification of manufacturing production of any province. Certain industries, such as the manufacture of motor vehicles, motor vehicle parts, heavy electrical machinery, agricultural implements, machine tools. starch and glucose, and the processing of raw tobacco are carried on practically in this province alone. Of the forty leading industries in Canada in 1958, a substantial number of them were dominated by Ontario's share of the total production. These industries, with the percentage which the production of each bears to that of the 1958 Canada totals are as follows: motor vehicles 98.6, motor vehicle parts 94.5, heavy electrical machinery 90.1, rubber goods 82.1, primary iron and steel 77.4, telecommunications equipment 75.9, iron castings 68.5, fruit and vegetable preparations 68.0, industrial machinery 63.3, miscellaneous chemical products 62.6, brass and copper products 60.0, sheet metal products 59.3, printing and bookbinding 58.0, aircraft and parts 53.5, acids, alkalies and salts 52.6, boxes and bags, paper 49.8, printing and publishing 48.4, furniture 48.3 miscellaneous electrical apparatus and supplies 48.0, synthetic textiles 45.8, stock and poultry feeds 44.0, and non-ferrous metal smelting and refining 37.6.

There are also a number of medium-sized industries with a total Canadian production of over \$100,000,000 in which Ontario dominates. In this group are: agricultural implements with 91.7 p.c., soaps and washing compounds 89.0, household and office machinery 81.1, refrigerators, vacuum cleaners, etc. 77.0, hardware, tools and cutlery 72.6, heating and cooking apparatus 68.9, boilers, tanks and plate work 60.7, confectionery 57.6, and knitted goods, other than hosiery, 44.3 p.c.

In addition, Ontario dominated many of the smaller industries in 1958 as indicated by the following percentages of the Canadian total. In this category were: machine tools 100.0, starch and glucose 97.4, tobacco processing and packing 96.2, miscellaneous non-ferrous metal products 92.9, bicycles 92.6, prepared breakfast foods 90.6, wine 83.4, leather tanneries 86.1, typewriter supplies 85.8, cordage, rope and twine 78.7, sporting goods 77.5, automobile accessories, fabric, 76.6, toys and games 75.7, artificial abrasives 74.8, jewellery and silverware 73.7, white metal alloys 73.6, wool yarn 70.8, batteries

70.1, carpets, mats and rugs 68.6, feed mills 67.3, aluminum products 59.4, animal oils and fats 54.9, hosiery 40.3, etc.

Establishments reporting in 1958 numbered 13,276. They furnished employment to 606,362 persons who were paid \$2,412,654,652 in salaries and wages, and spent\$5,704,319,497 for materials used. The value added by manufacture which is the calculated value of production less the cost of materials used, including the cost of fuel and electricity, amounted to \$4,914,073,665, while the selling value of factory shipments totalled \$10,864,028,332.

TABLE 10. Principal Statistics of the Forty Leading Industries of Ontario, 1958

	TABLE 10. Principal statistics of the Forty Leading Industries of Ontario, 1958											
No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments					
		nur	number dollars									
1	Motor vehicles	8	25, 478	126, 108, 526	565, 227, 943	248, 281, 580	835, 537, 065					
2	Primary iron and steel	19	21, 249	109, 585, 754	196, 541, 814	235, 796, 736	456, 943, 390					
3	Pulp and paper	41	20, 218	97, 642, 362	201, 972, 570	215, 632, 245	447, 108, 816					
4	Non-ferrous metal smelting and refining	10	8,636	41, 189, 632	246, 135, 300	166, 188, 347	426, 897, 001					
5	Slaughtering and meat packing	65	9,367	39, 864, 885	317, 936, 921	75, 715, 253	395, 608, 125					
6	Petroleum products	14	5, 337	29, 374, 546	255, 695, 530	120, 861, 674	393, 461, 530					
7	Motor vehicle parts	120	16,730	72, 697, 592	148, 341, 510	125, 378, 377	279, 562, 626					
8	Rubber goods, including footwear	46	14, 167	57, 433, 010	105, 101, 144	145, 191, 493	253, 309, 301					
9	Aircraft and parts	. 36	21, 415	100, 433, 598	98, 778, 008	145, 645, 596	247, 216, 481					
10	Machinery, heavy, electrical	57	18, 112	89, 496, 349	85, 438, 086	127, 676, 661	220, 574, 652					
11	Sheet metal products	240	11,390	47, 661, 750	104, 468, 192	91, 067, 411	197, 589, 106					
12	Machinery, industrial	227	14,004	59, 204, 935	85, 048, 458	109, 115, 550	196, 884, 329					
13	Fruit and vegetable preparations	176	10,305	30, 217, 360	119, 949, 696	70, 122, 980	188, 242, 952					
14	Butter and cheese	401	7,974	28, 617, 941	135, 824, 336	43, 265, 903	184, 560, 093					
15	Telecommunication equipment	89	12,748	46, 759, 244	91, 493, 301	90, 442, 869	180, 742, 858					
16	Castings, iron	86	9, 515	39, 284, 749	94, 033, 885	74, 831, 392	173,635,775					
17	Miscellaneous electrical apparatus and supplies	107	11, 254	44, 205, 292	84, 692, 677	82, 329, 602	167, 095, 053					
18	Printing and publishing	285	14, 005	61, 661, 813	41, 487, 919	115,694,641	158, 534, 110					
19	Printing and bookbinding	782	13,996	54, 905, 828	57, 391, 225	91, 823, 128	149, 839, 124					
20	Furniture	720	14,882	48, 482, 990	70, 133, 600	76, 865, 404	149, 132, 186					
21	Bread and other bakery products	845	14, 927	46, 423, 539	65, 627, 595	72, 465, 083	142, 759, 435					
22	Miscellaneous food preparations	112	4,554	17, 267, 357	88, 098, 048	52, 652, 320	142, 248, 450					
23	Boxes and bags, paper	107	8, 417	30, 772, 813	83, 484, 777	54, 017, 230	138, 058, 721					
24	Acids, alkalies and salts	30	5, 140	25, 623, 478	62,042,001	62, 058, 827	137, 203, 754					
25	Miscellaneous chemical products	128	5, 766	26, 928, 224	64, 908, 954	64, 041, 968	136, 051, 748					
26	Agricultural implements	27	10,030	44, 105, 299	72, 126, 603	54, 544, 585	122, 111, 559					
27	Miscellaneous paper products	105	6,852	25, 266, 990	64, 387, 295	55, 128, 973	120, 298, 105					
28	Soaps, washing compounds and cleaning prepara-	67	3, 155	14,684,826	48, 854, 609	68, 333, 655	117, 484, 774					
29	Hardware, tools and cutlery	308	9,861	38, 531, 021	39, 149, 367	74, 524, 036	114, 925, 346					
30	Refrigerators, vacuum cleaners and appliances	55	6,397	25, 672, 123	53, 637, 895	54, 184, 851	111, 878, 801					
31	Feeds, stock and poultry, prepared	352	2,768	8, 891, 945	82, 595, 504	27,013,870	110, 746, 228					
32	Machinery, household, office and store	45	5,988	25, 612, 015	49, 990, 976	57, 988, 962	110,311,401					
33	Brass and copper products	90	5,613	22, 836, 458	63,560,558	42, 957, 173	105, 842, 600					
34	Tobacco processing	10	1,522	4, 187, 372	94, 644, 572	9, 174, 664	104, 100, 475					
35	Railway rolling stock	12	4,601	20, 234, 674	63, 960, 801	32, 484, 002	97, 325, 369					
36	Breweries	18	2,798	14, 071, 473	21, 817, 722	70, 161, 885	94, 152, 129					
37	Distilled liquors	9	2, 199	8, 983, 244	28, 636, 954	61, 424, 078	89,056,493					
38	Heating and cooking apparatus	67	5, 434	21, 745, 155	45, 351, 182	42, 492, 552	89, 038, 305					
39	Flour mills	40	1,778	6, 712, 311	70, 972, 443	15, 346, 301	87, 346, 778					
40	Wire and wire goods	79	5, 487	23, 284, 214	46, 597, 699	37, 796, 510	86, 556, 735					
	Totals, leading industries	6, 035	394, 069	1, 676, 662, 687	4, 316, 137, 670	3, 460, 718, 367	7, 959, 971, 779					
	Totals, all industries	13, 276	606, 362	2, 412, 654, 652	5, 704, 319, 497	4, 914, 073, 665	10, 864, 028, 332					

¹ Reported on a production basis.

SECTION 5. THE MANUFACTURES OF THE PRAIRIE PROVINCES

The leading industries of the Prairie Provinces are those based on agricultural resources - grain-growing, cattle-raising and dairying areas. Next in importance, generally, are industries providing for the more necessary needs of the resident population, such as the baking of bread, printing and publishing, etc. The extensive railway services require large shops for the maintenance of rolling-stock, especially in the Winnipeg area, The widespread use of motor vehicles and power machinery on farms has given rise to petroleum refineries in each province. This industry has made tremendous strides in the Prairie Provinces since 1949. At that time it ranked third in importance. being outranked by slaughtering and meat packing which was then in first place and by flour mills which ranked second. In 1956 it assumed the premier position in the Prairie Provinces in selling value of factory shipments but dropped to second place in 1957 and 1958. Of greater significance is the fact that it has increased its proportion of the total manufacturing production of the Prairie Provinces from 8.5 p.c. in 1949 to 15.5 p.c. in 1958. Manitoba, as the early commercial centre of the prairies, has had a greater industrial development than either of the other provinces. Its natural resources of accessible water power, forests and, more recently, minerals, have given rise to quite a diversification of industrial production. In Saskatchewan, while the main economic role continues to be played by agriculture, both oil and mineral wealth are being

Considering the Prairie Provinces as an economic unit, slaughtering and meat packing with shipments valued at \$341,192,000 was the leading industry. Petroleum products with \$289,547,000 ranked second, followed by butter and cheese with \$114,418,000 and flour mills with \$91,791,000. These four industries accounted for about 45 per cent of the total value of factory shipments of the Prairie Provinces. Other leading industries, in order of value of factory shipments and with shipments of \$15,000,000 or more were: non-ferrous metal smelting and refining, railway rolling stock, bread and other bakery products. printing and publishing, breweries, men's factory clothing, pulp and paper, sash, door and planing mills, concrete products, furniture, bridge and structural steel, miscellaneous food preparations, sheet metal products, prepared stock and poultry feeds, hydraulic cement, printing and bookbinding, aircraft and parts, sugar refining, sawmills, carbonated beverages, boxes and bags, paper; primary plastics and women's factory clothing.

In water-power resources, the Prairie Provinces are not so well endowed as the more highly industrialized provinces of Quebec, Ontario and British Columbia. At the end of 1958 power installation in the three provinces totalled only 1,196,745 h.p., or about 5 p.c. of the Canadian total, Manitoba had 778,900 h.p., Saskatchewan 109,835 h.p. and Alberta 308,010 h.p. With the present development of natural gas and oil, the Prairie Provinces, will in large measure be able to overcome a lack of water-power resources which is so vital to industrial development.

In the Prairie Provinces, the nature of developments vary from one province to another. Alberta has moved to theforefront, especially since 1950. There the emphasis has been more on the manufacture of machinery and equipment for the burgeoning oil and gas industries. Chemicals, and especially petrochemicals, have made striking gains; second in terms of new growth, they now embrace various rayon intermediates and polythene plastics, as well as fertilizers and the manufacture of other

new inorganic products like caustic soda and chlorine, Sizeable gains have been made by the expansion of food-processing plants and the construction of still more factories for making building materials, transportation equipment, paper products and textiles. Based on the increase in employment between 1949 and 1958, the foods and beverages group with an increase of 2,184 employees reported the greatest expansion in production. This was followed closely by iron and steel products with an increase of 2,108 employees, products of petroleum and coal 1,328, chemicals and allied products 1,237, paper products 1,070, transportation equipment 874, non-metallic mineral products 811, non-ferrous metal products 704 and printing, publishing and allied industries 687. Minor increases were reported by the renaining groups. Wood products with a drop of 485 employees was the only group to report a decline in output.

Developments in Saskatchewan, by contrast, have continued along more or less traditional lines since 1949. The largest gain of 666 employees has been recorded by the products of petroleum and coal group which includes oil refineries. The second highest gain of 234 employees was reported by the non-metallic mineral products group which consists of a number of industries manufacturing building materials. Considerable expansion was also reported by the foods and beverages and miscellaneous industries groups. Wood products with a drop of 165 employees was the only major group to report a decline in production; this no doubt being due to the decline in the exports of lumber and its products during the past few years.

Although Manitoba experienced considerable development in manufacturing production since 1949, it did not, percentagewise, keep pace with the other two Prairie Provinces. The change was not so much in the magnitude but rather in the nature of manufacturing production. The emphasis has shifted from the production of food and clothing to the production of products of mineral origin, such as iron and steel, non-metallic mineral products electrical apparatus and products of petroleum and coal. There was also a wider diversification of products as is evidenced by the increase of 279 employees in the miscellaneous group. For manufacturing as a whole the increase in the number of employees totalled 426. The largest increase of 542 was reported by the iron and steel group. The non-metallic mineral products group with 476 reported the second largest increase, followed by electrical apparatus with 371, products of petroleum and coal 290, miscellaneous industries 279 and paper products 257. Only four groups reported major declines in employment: clothing 548, foods and beverages 541, transportation equipment 328 and textiles 276. The foods and beverages group which in 1949 accounted for 25.3 p.c. of the employment in manufacturing accounted for 23.8 p.c. the total in 1958. The foods and beverages group with 10,085 employees was still in first place in 1958 as an employer of labour. This was followed by transportation equipment with 6,334, clothing, including knitting mills 5,832 and iron and steel products 5,316. These four groups accounted for 65 p.c. of the manufacturing employment in Manitoba.

According to Table 1, manufacturing establishments in 1958 numbered 4,366 for the Prairie Provinces as a whole. These plants furnished employment to 92,525 persons who received \$326,223,056 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,873,601,758 and spent \$1,091,598,993 for materials, while the value added by manufacture totalled \$747,201,165.

Principal Statistics of the Prairie Provinces, 1958

	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			thousands of dollars		
Manitoba	1,634	42,382	142,860	397, 453	284,368	694,051
Saskatchewan	970	12, 283	43,228	198, 834	123,394	331,299
Alberta	1,762	37,860	140, 135	495,312	339,439	848, 252
Prairie Provinces	4,366	92,525	326, 223	1,091,599	747, 201	1,873,602
Canada	36, 741	1,289,602	4, 802, 496	11,821,567	9, 792, 506	22, 163, 186

The expansion in manufacturing production in the Prairie Provinces between 1949 and 1958 kept pace with that of Canada as a whole. This is indicated by the Prairie Provinces' share of the Canadian total which amounted to 8.51 p.c. in 1949 and 8.45 p.c. in 1958. For the first few years production in these provinces lagged behind, the percentage of the total dropping from 8.51 in 1949 to 7.91 in 1953. In 1954 conditions were reversed. The Prairie Provinces reported an increase of 1.4 p.c. in value of factory shipments as compared with a decline of 1.3 p.c. for Canada as a whole. This brought their share of the total to 8.13 p.c. In 1955 and 1956 conditions deteriorated again with the percentage of the total dropping to 7.62. The expansion which took place during 1957 and 1958

saw an improvement in the percentage to 8.45 of the total, almost equalling the 1949 percentage of 8.51.

According to the table below, Manitoba failed to keep pace with Canada as a whole in both employment and value of factory shipments, the percentages being 1.0 and 46.2 respectively as compared with the Canada percentages of 10.1 and 77.6. Alberta on the other hand forged ahead the rest of Canada. The number of employees increased 43.3 p.c. as compared with 10.1 p.c. for Canada, while in value of factory shipments the percentages were 128.0 for Alberta and 77.6 for Canada. Saskatchewan was ahead of Canada in employment but was below the Canada increase in shipments.

Variation in Employment and Factory Shipments, 1958 Compared with 1949

Province	Employees	Earnings	Selling value of factory shipments
		per cent	
Manitoba	+ 1.0	+ 65.9	+ 46.2
Saskatchewan	+13.3	+ 90.1	+ 53.6
Alberta	+43.3	+154.3	+128.0
Prairie Provinces	+16.8	+ 99.0	+ 76.4
Canada	+10.1	+ 85.3	+ 77.6

TABLE 11. Principal Statistics of the Leading Industries of Manitoba, 1958

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Value of factory shipments
		nun	nber		dol	llars	
1	Slaughtering and meat packing	12	3, 209	12,523,879	102, 439, 087	25, 898, 374	128, 124, 870
2	Petroleum products	4	703	2,910,954	34, 189, 442	20, 749, 388	57, 062, 873
3	Butter and cheese	66	1,272	4,052,361	25, 894, 482	7, 161, 742	34, 056, 524
4	Railway rolling stock	4	4,214	15,653,150	15, 736, 777	16,610,902	32, 869, 89
5	Clothing, men's, factory	51	2,876	6, 185, 048	14, 265, 077	9, 526, 106	24, 014, 07
6	Furniture	113	1,871	5, 773, 680	11,641,508	9,622,538	21, 462, 443
7	Flour mills	7	497	1,447,802	16, 015, 196	3,649,895	19, 604, 110
8	Miscellaneous food preparations	21	571	2,061,463	12, 854, 253	5, 723, 312	19, 510, 413
9	Printing and publishing	78	1,968	6,828,309	5, 346, 207	13, 337, 147	18, 868, 41
10	Bread and other bakery products	150	1,801°	5,833,265	7,380,248	8,845,361	16, 803, 24
11	Pulp and paper	3	550	2, 499, 341	5,573,834	9, 799, 099	16, 683, 44
12	Breweries	6	637	2,912,338	2,802,281	10, 289, 904	13, 354, 25
13	Clothing, women's, factory	25	1,467	4,008,023	7,041,919	6, 248, 574	13, 283, 88
14	Printing and bookbinding	86	1,359	4,913,040	4, 168, 532	8, 100, 050	12, 325, 16
15	Boxes and bags, paper	10	694	2,060,821	7, 199, 180	4, 273, 562	11, 471, 89
16	Sheet metal products	33	924	3,371,649	6,063,871	5, 166, 825	11, 452, 07
17	Miscellaneous iron and steel products	14	696	2, 915, 801	4, 478, 053	4, 526, 566	8, 825, 15
18	Feeds, stock and poultry, prepared	38	229	715, 325	6,314,622	2,059,665	8, 449, 45
19	Carbonated beverages	. 22	341	1, 154, 502	2, 226, 539	4,483,661	6, 882, 13
20	Paints, varnishes and lacquers	5	275	852, 914	3, 790, 435	2,811,775	6,554,91
21	Agricultural implements	16	455	1,624,884	3,447,889	3, 177, 300	6,389,31
22	Miscellaneous paper products	6	198	543, 170	2, 487, 224	3, 514, 129	6, 016, 02
23	Concrete products	16	483	1,703,468	3, 554, 179	2, 389, 614	5, 914, 14
24	Bags, cotton and jute	3	196	608, 546	4,480,521	1,327,848	5, 812, 68
25	Biscuits	3	346	1,023,506	2,593,709	2,612,282	5, 300, 70
26	Machinery, industrial	14	423	1,604,961	2,014,237	3, 089, 728	5, 162, 85
27	Other leading industries ²	11	4,090	16,794,374	25, 965, 619	33, 825, 908	62,631,83
	Totals, leading industries	817	32,345	112,576,574	339, 964, 921	228, 821, 255	578, 886, 78
	Totals, all industries	1,634	42,382	142, 859, 485	397, 453, 172	284, 367, 542	694, 051, 32

Reported on a production basis.
 Includes Aircraft and parts, Bridge and structural steel work, Cement, hydraulic, Gypsum products, Non-ferrous metal smelting and refining,
 Primary iron and steel and Sugar refining.

TABLE 12. Principal Statistics of the Leading Industries of Saskatchewan, 1958

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Value of factory shipments			
		nur	nber		dol	lars				
1 2 3 4 5 6 7 8 9 10 11 12 13 14	Petroleum products Slaughtering and meat packing Flour mills Butter and cheese Bread and other bakery products Breweries Printing and publishing Carbonated beverages Sash, door and planing mills Sheet metal products Concrete products Sawmills Feeds, stock and poultry, prepared Printing and bookbinding Totals, leading industries listed above ² Totals, all industries	10 9 56 103 5 89 27 28 8 21	1,183 1,361 7,69 1,371 1,105 357 1,173 363 271 363 252 236 673 87 256 9,457	5,872,466 5,350,647 2,912,376 4,285,732 3,592,944 1,621,392 3,878,080 1,148,672 2,62,365 758,446 738,274 267,562 894,494 33,062,444 43,228,392	50, 255, 873 36, 602, 149 30, 730, 463 25, 080, 299 4, 663, 789 2, 150, 267 1, 889, 573 2, 671, 602 2, 829, 720 2, 929, 992 1, 998, 033 2, 297, 681 659, 537 166, 528, 021 198, 833, 974	29, 241, 309 10, 430, 871 10, 176, 248 8, 448, 317 5, 767, 691 8, 047, 313 6, 960, 156 3, 331, 673 2, 189, 420 1, 844, 849 2, 042, 602 1, 495, 973 1, 389, 437 92, 211, 837 123, 394, 168	82, 409, 038 ¹ 47, 338, 510 41, 025, 500 34, 452, 627 10, 778, 823 10, 724, 498 9, 237, 985 5, 434, 231 4, 944, 708 4, 710, 323 4, 262, 464 3, 598, 838 ² 2, 063, 441 264, 125, 407 331, 298, 441			

1 Reported on a production basis.

TABLE 13, Principal Statistics of the Leading Industries of Alberta, 1958

_							
No	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		nur	nber		dol	lars	
1 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Slaughtering and meat packing Petroleum products Butter and cheese Flour mills Sash, door and planing mills Concrete products Bread and other bakery products Bread and other bakery products Breweries Printing and publishing Primary plastics Sawmills Acids, alkalies and salts Bridge and structural steel Castings, iron Cement, hydraulic Feeds, stock and poultry, prepared Sheet metal products Clothing, men's, factory Frumiture Machine shops Aircraft and parts Miscellaneous food preparations Printing and bookbinding All other leading industries Totals, leading industries Totals, all industries	22 94	4,046 2,214 2,073 671 1,569 889 1,971 563 1,541 496 1,718 528 369 296 551 888 900 850 1,329 238 339 3,794 29,916 37,860	16, 136, 180 11, 534, 922 6, 515, 917 2, 193, 290 4, 791, 199 3, 756, 844 6, 255, 020 2, 410, 055 5, 462, 233 2, 431, 585 3, 475, 849 2, 339, 938 4, 499, 938 4, 499, 938 2, 177, 627 1, 793, 842 985, 081 1, 884, 751 2, 051, 228 2, 668, 225 3, 506, 443 5, 628, 902 802, 266 3, 568, 591 15, 970, 848 112, 780, 794 140, 135, 179	139, 155, 653 81, 538, 769 34, 695, 053 23, 747, 166 13, 167, 000 11, 668, 035 8, 359, 813 4, 227, 901 4, 569, 795 5, 778, 077 7, 537, 056 8, 744, 984 7, 527, 907 1, 319, 966 8, 623, 987 5, 669, 455 4, 983, 704 4, 665, 153 3, 522, 015 1, 347, 428 5, 425, 542 2, 599, 267 42, 133, 996 434, 563, 778 495, 311, 847	26, 968, 547 64, 278, 456 10, 495, 073 7, 138, 875 9, 794, 705 9, 752, 439 10, 721, 103 13, 693, 003 12, 140, 384 9, 141, 852 6, 694, 512 8, 948, 442 4, 342, 239 5, 718, 502 8, 772, 611 2, 377, 788 3, 977, 556 4, 046, 029 4, 443, 377 4, 957, 204 7, 038, 975 2, 685, 587 2, 685, 587 5, 406, 400 34, 818, 826 278, 351, 775 339, 439, 455	165, 728, 697 150, 075, 129 ¹ 45, 908, 380 31, 161, 224 23, 990, 003 21, 750, 361 19, 584, 506 18, 100, 268 16, 828, 306 15, 884, 012 14, 684, 784 ¹ 13, 687, 576 13, 174, 251 ¹ 11, 137, 554 11, 116, 082 9, 919, 483 9, 175, 812 9, 919, 483 9, 175, 812 9, 919, 483 9, 175, 812 8, 144, 320 ¹ 8, 444, 320 ¹ 8, 138, 822 8, 067, 840 77, 449, 200 723, 577, 724 848, 251, 994

SECTION 6. THE MANUFACTURES OF BRITISH COLUMBIA

British Columbia, with factory shipments valued at \$1,798,960,459, ranked third among the provinces in manufacturing production. In spite of the rapid industrialization of other provinces, British Columbia succeeded in increasing its share of the total Canadian output. This is reflected in the increase in the total from 7.1 p.c. in 1939 to 8.6 p.c. in 1956. With the minor decline in business activity and the drop in the export of lumber and its products, British Columbia in 1957 was affected more than Canada as a whole, with the result that its share of total shipments dropped to 8.05 p.c. There was some improvement in 1958 when the percentage rose again slightly to 8.12.

Forest resources, fisheries, minerals and electric power have given a broad base and wide diversification to its industrial development. While Ontario and Quebec have an outstanding predominance in each of the major industrial groups of the Standard Industrial Classification, in the production of wood products, however, British Columbia with 41 p.c. of the Canadian total holds the dominant position, outranking both Ontario and Quebec which account respectively for 25 and 22 p.c. of the total.

Emphasizing the importance of the forests in the industrial life of the Province, the sawmilling industry ranked first with a gross value of factory shipments of \$356,104,461, and pulp

² Castings, iron, cement, hydraulic and non-ferrous metal smelting and refining are also leading industries, however, statistics for these industries are confidential.

 $^{^1}$ Reported on a production basis. 2 Includes Fertilizers, Pulp and paper, Railway rolling stock, Non-ferrous metal smelting and refining and Sugar refining.

and paper second with \$181,208,729. Third in importance was the petroleum products industry with factory shipments valued at \$133,624,242. This industry received a great impetus in the completion of the Trans-Mountain oil pepeline. In 1953, with shipments valued at \$40,562,462 it ranked seventh, and contributed about 3 p.c. to the total value of factory shipments of the Province. In 1954 it assumed third place with the proportion of the total increasing to 5.5 p.c., with a further increase to 7.4 p.c. in 1958. In fourth place, with shipments valued at \$89,309,539, was fish processing, based principally in the estuarial salmon fisheries. British Columbia accounted for approximately 50 p.c. of the output of the fish processing industry in 1958, and plays a large part in making Canada the largest fish exporting nation in the world. British Columbia also leads in the production of veneer and plywood, contributing 64 p.c. of the Canadian total in 1958. This industry with shipments valued at \$83,017,021 was in fifth place. Other important industries are: sash, door and planing mills, slaughtering and meat packing, miscellaneous food preparations, butter and cheese, shipbuilding, printing and publishing, fruit and vegetable preparations, bread and other bakery products, fertilizers, sheet metal products, etc. The non-ferrous metal smelting and refining industry also ranks among the leading industries. Information, however, cannot be published as there are less than three smelters located in the province.

A feature of recent progress has been that new developments are taking place in areas far removed from accepted industrial centres. Growing lines of communication and transportation are fanning out from and leading into formerly locked interior communities to tap a vast new potential and offer new sources of provincial economic unity and strength. Factories and plants in remote sections are drawing greater value in employment and dollars from natural resources. The growth of the province industrially may be indicated by the increase in employment which is two and one-half times the pre-war figure. In dollar terms, gross value of manufacturing is also up 650 p.c. since 1939, The consumption of 7.7 billion kwh. of electric power by manufacturers during 1958 marks a steady upward climb of 200 per cent in the past decade.

British Columbia ranks second among the provinces in available water-power resources, and its hydraulic development which at the end of 1958 totalled 3,312,160 h.p. out of a Canadian total of 22,376,048 h.p. is exceeded only by Quebec and Ontario. Present developments are located chiefly in the south-

em part of the Province where a number of important sites are still available for development. The largest single development in British Columbia is the Kemano-Kitimat plant of the Aluminum Company of Canada which added a seventh unit of 150,000 h.p. in 1958. This brings the total developed capacity to a total of 1,050,000 h.p. The ultimate capacity is expected to be about 2,000,000 h.p. This power will be used in the production of aluminum which is a new product for British Columbia. Present capacity of the smelter is about 200,000 tons per annum, a production which will further strengthen Canada's position as an important source of this vital metal.

Manufacturing establishments reporting in 1958 numbered 4,072. These plants furnished employment to 100,222 persons who received \$406,628,209 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,798,960,459 and spent \$965,939,626 for materials, while the value added by manufacture totalled \$786,620,211.

In spite of the substantial declines during 1957 and 1958. manufacturing in British Columbia fared better than Canada as a whole. In comparing 1958 with 1953 it is found that for British Columbia employment was 6.8 p.c. higher while for Canada as a whole it was 2.9 p.c. lower. Also in value of shipments British Columbia reported an increase of 31.6 p.c. as compared with 24.6 p.c. for Canada as a whole. There was an expansion in manufacturing production in British Columbia during 1954, at a time when the rest of Canada was experiencing a minor recession. For Canada as a whole there was a drop of 4.5 p.c. in the number of employees and 1.3 p.c. in value of shipments. British Columbia was the only province in 1954 to report increased employment, the increase being 2.2 p.c. Although British Columbia was not the only province to report increased shipments that year, the increase of 7.9 p.c. was, however, the highest of any province. In common with other provinces manufacturing in British Columbia continued to expand during 1955 and 1956. It reported the second highest increase in employment and value of factory shipments, Alberta being first in both respects. This expanding trend in production in British Columbia was checked in 1957. Employment and factory shipments declined in 1957 as well as in 1958. For these two years the number of employees declined 7.7 p.c. and the selling value of factory shipments by 3.2 p.c. The decline in British Columbia was more severe than for Canada as a whole which experienced a decline of only 4.7 p.c. in the number of employees and an increase of 2.4 p.c. in shipments.

TABLE 14. Principal Statistics of the Leading Industries of British Columbia, 1958

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		nun	nber		doll	ars	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Sawmills Pulp and paper Petroleum products Fish processing Veneer and plywood Sash, door and planing mills Slaughtering and meat packing Miscellaneous food preparations Butter and cheese Shipbuilding Printing and publishing Fruit and vegetable preparations Bread and other bakery products Fertilizers Sheet metal products Boxes and bags, paper Bridge and structural steel Furniture Breweries Feeds, stock and poultry, prepared Totals, leading industries listed above ² Totals, all industries	14 9 44 177 197 122 44 33 320 84 56 307 4 43 16 6 209 8 8	27, 110 7, 315 1, 551 2, 941 6, 103 3, 559 1, 574 3, 677 1, 845 3, 673 3, 105 1, 884 3, 213 1, 100 1, 145 1, 187 1, 431 1, 003 696 627 72, 841	101, 626, 836 39, 332, 781 8, 129, 287 10, 958, 282 24, 033, 393 13, 339, 989 6, 289, 856 2, 640, 026 7, 320, 413 17, 866, 517 14, 297, 404 4, 660, 267 10, 871, 433 5, 144, 492 5, 243, 027 4, 441, 327 4, 441, 327 4, 441, 327 4, 954, 504 6, 993, 352 3, 026, 516 2, 289, 574 295, 459, 276 406, 628, 209	188, 082, 448 70, 646, 248 77, 570, 220 65, 103, 508 43, 193, 048 46, 680, 131 48, 540, 118 34, 807, 214 23, 019, 546 9, 150, 137 7, 179, 398 18, 991, 324 13, 111, 569 13, 518, 720 14, 286, 862 14, 240, 216 11, 653, 186 4, 376, 583 14, 683, 415 730, 322, 952	162,109,783 102,419,722 51,558,413 29,127,964 37,456,169 9,305,929 10,912,264 10,644,208 24,029,231 24,307,828 6,801,070 16,946,230 14,170,343 10,921,819 10,017,352 11,643,619 10,543,446 15,427,488 4,728,339 585,955,782	356,104,461 ¹ 181,208,729 133,624,242 ¹ 89,309,539 83,017,028 70,427,256 57,907,977 45,746,308 35,391,034 33,628,6893 31,474,297 27,163,969 26,394,636 24,227,745 23,282,797 21,103,969 21,701,158 20,198,046 19,829,158 1,343,301,339 1,798,960,459

¹ Reported on a production basis.

² Non-ferrous metal smelting and refining is also a leading industry. Statistics, however, are confidential since there are less than three firms reporting.

SECTION 7. MANUFACTURING INDUSTRIES IN URBAN CENTRES

The prosperity of most of the cities and towns of Canada, especially in the east, is intimately connected with their manufacturing industries, which provide employment for a large proportion of their gainfully occupied population. In the west the cities are more largely distributing centres, though manufactures are rapidly increasing there also.

Table 15, indicating the extent to which the manufacturing industries of Canada are concentrated in urban centres, shows by provinces the proportion contributed by cities and towns having factory shipments of over \$1,000,000 each. In the more highly industrialized provinces of Ontario and Quebec such cities and towns in 1958 accounted for 77 p.c. and 94 p.c. respectively of the totals for those provinces, while for the Atlantic Provinces and British Columbia, where sawmilling, fish-packing, and dairying are leading industries, the propor-

tions are 68 p.c. and 49 p.c. respectively. In the Prairie Provinces manufacturing is confined to a few urban centres.

During the past few years there has been a noticeable trend for manufacturing plants to locate in rural areas adjacent to incorporated cities and towns. This trend is revealed by a study of the percentages in the table below during the past few years. In 1958 for Canada as a whole 79.4 p.c. of the shipments were made by cities and towns with factory shipments of \$1,000,000 and over, as compared with 86.9 p.c. in 1953. Toronto is a good case in point. In 1953 Toronto accounted for 72.0 p.c., of the total shipments of York County and the rural areas for 12.2 p.c., while in 1958 Toronto's share dropped to 57.7 p.c. with the rural areas increasing to 29.4 p.c. The same trend is apparent in other manufacturing centres. This accounts for the changes that have taken place during the past few years in some of the provinces and for Canada as a whole.

TABLE 15. Cities and Towns each with Selling Value of Factory Shipments of Over \$1,000,000, Number of Establishments and Total Shipments in such Urban Centres as a Percentage of the Grand Total, by Provinces, 1958

Note: Statistics published in this table are in some cases higher than the figures published in Table 18, since in the table below are included towns with shipments of over \$1,000,000 for which statistics must be withheld. It is not possible to publish this information in Table 18 without disclosing the operations of individual establishments.

Province	Number of urban centres with selling value of factory shipments of over \$1,000,000	Number of establishments reporting in urban centres with selling value of factory shipments of over \$1,000,000	Selling value of factory shipments of urban centres having \$1,000,000 or over	Selling value of factory shipments of each province	Selling value of factory shipments of urban centres as a percentage of shipments in each province
	num	iber			
Newfoundland	6	134	74,465,382	116,979,200	63.7
Prince Edward Island	3	61	19,054,091	26, 887, 728	70.9
Nova Scotia	26	483	251,998,056	411,929,247	57.0
New Brunswick	15	349	245, 284, 609	312,021,817	78.6
Quebec	195	8, 200	6,351,351,193	6,754,798,278	94.0
Ontario	186	9,003	8,351,174,043	10,864,028,332	76. 9
Manitoba	13	1,106	591, 551, 965	694,051,323	85.2
Saskatchewan	12	439	271,616,372	331, 298, 441	82, 0
Alberta	17	962	569,663,570	848, 251, 994	67.1
British Columbia	30	2,071	877, 812, 940	1,798,960,459	48.8
Yukon and Northwest Territories	-	_	dise	3, 979, 489	_
Canada, 1958	503	22, 808	17, 603, 972, 221	22, 163, 186, 308	79.4
Canada, 1957	499	23, 542	17, 886, 715, 270	22, 183, 594, 311	80.6
Canada, 1956	498	23, 289	17, 262, 050, 120	21, 636, 748, 986	79.8
Canada, 1955		23, 618	15, 704, 708, 812	19, 513, 933, 811	80.5
Canada, 1954		23, 869	15, 045, 342, 071	17, 554, 527, 504	85.8
Canada, 1953		23, 652	15, 393, 546, 062	17, 785, 416, 854	86.9

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-58

	City and year		Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments ¹		
		nun	number			dollars		
Montreal	:			-11 000 110	054 100 046	483, 246, 583		
1939		2,501	105,315	114,602,118	254, 188, 246			
1944		3,109	185,708	308, 396, 358	650,618,563	1,215,988,014		
1949		4, 136	184,779	399, 943, 526	847, 444, 669	1,596,713,694		
		4.137	183, 436	449, 279, 943	1,026,220,450	1,849,153,995		
1951		4,398	193,129	544, 284, 191	1,067,911,378	2,042,662,7852		
1953			184,684	539, 119, 575	1,050,160,663	1,987,217,5892		
1954		4,415	,		1,021,717,306	1, 963, 367, 2352		
1955		4,379	176,998	529, 339, 811				
1956		4,289	182,759	582, 256, 675	1, 175, 253, 762	2,207,686,2462		
1957		4,268	183, 996	611, 657, 486	1,214,443,559	2, 288, 258, 1692		
1958		4, 121	173,582	601,773,312	1,189,356,004	2, 266, 191, 9962		

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-58 — Concluded

1944 1949 1951 1953 1954 1955 1956 1957 1958 Hamilton: 1939 1944 1949 1951 1955 1956 1957 1958 Windsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957 1958	2,885 3,344 4,005 3,796 3,781 3,728 3,497 3,411 3,312 3,185	98, 702 154, 538 158, 562 151, 333 154, 251 145, 792 134, 235 133, 758 132, 356 123, 789	122, 553, 435 260, 776, 613 368, 510, 524 415, 206, 705 478, 086, 271 470, 046, 860 448, 775, 761 470, 860, 187 482, 758, 834 479, 767, 394	dollars 240, 532, 281 513, 429, 109 837, 148, 440 991, 268, 163 980, 873, 073 945, 614, 031 916, 493, 539 962, 271, 402 961, 000, 335 973, 581, 141	482,532,33 1,020,345,35 1,579,186,45 1,763,192,11 1,875,747,24 1,810,860,95 1,732,099,12 1,797,706,14 1,832,080,72 1,825,714,81
1939 1944 1949 1951 1953 1954 1955 1956 1957 1958 Hamilton: 1939 1944 1949 1951 1953 1954 1955 1956 1957 1958 Vindsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	3, 344 4, 005 3, 796 3, 781 3, 728 3, 497 3, 411 3, 312 3, 185	154, 538 158, 562 151, 333 154, 251 145, 792 134, 235 133, 758 132, 356 123, 789	260, 776, 613 368, 510, 524 415, 206, 705 478, 086, 271 470, 046, 860 448, 775, 761 470, 860, 187 482, 758, 834	513, 429, 109 837, 148, 440 991, 268, 163 980, 873, 073 945, 614, 031 916, 493, 539 962, 271, 402 961, 000, 335	1,020,345,35 1,579,186,45 1,763,192,11 1,875,747,24 1,810,860,95 1,732,099,12 1,797,706,14 1,832,080,72
1944 1949 1951 1953 1954 1955 1956 1957 1958 Hamilton: 1939 1944 1949 1951 1955 1956 1957 1958 Vindsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957 1958	3, 344 4, 005 3, 796 3, 781 3, 728 3, 497 3, 411 3, 312 3, 185	154, 538 158, 562 151, 333 154, 251 145, 792 134, 235 133, 758 132, 356 123, 789	260, 776, 613 368, 510, 524 415, 206, 705 478, 086, 271 470, 046, 860 448, 775, 761 470, 860, 187 482, 758, 834	513, 429, 109 837, 148, 440 991, 268, 163 980, 873, 073 945, 614, 031 916, 493, 539 962, 271, 402 961, 000, 335	1,020,345,35 1,579,186,45 1,763,192,11 1,875,747,24 1,810,860,95 1,732,099,12 1,797,706,14 1,832,080,72
1949 1951 1953 1954 1955 1956 1957 1958 Ramilton: 1939 1944 1949 1951 1955 1956 1957 1958 Vindsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	4,005 3,796 3,781 3,728 3,497 3,411 3,312 3,185	158, 562 151, 333 154, 251 145, 792 134, 235 133, 758 132, 356 123, 789	368, 510, 524 415, 206, 705 478, 086, 271 470, 046, 860 448, 775, 761 470, 860, 187 482, 758, 834	837, 148, 440 991, 268, 163 980, 873, 073 945, 614, 031 916, 493, 539 962, 271, 402 961, 000, 335	1, 579, 186, 45 1, 763, 192, 11 1, 875, 747, 24 1, 810, 860, 95 1, 732, 099, 12 1, 797, 706, 14 1, 832, 080, 72
1951 1953 1954 1955 1956 1957 1958 **Tamilton: 1939 1944 1949 1951 1955 1956 1957 1958 **Indiagram of the property of the pr	3,796 3,781 3,728 3,497 3,411 3,312 3,185	151, 333 154, 251 145, 792 134, 235 133, 758 132, 356 123, 789	415, 206, 705 478, 086, 271 470, 046, 860 448, 775, 761 470, 860, 187 482, 758, 834	991, 268, 163 980, 873, 073 945, 614, 031 916, 493, 539 962, 271, 402 961, 000, 335	1, 763, 192, 11 1, 875, 747, 24 1, 810, 860, 95 1, 732, 099, 12 1, 797, 706, 14 1, 832, 080, 72
1953 1954 1955 1956 1957 1958 Iamilton: 1939 1944 1949 1951 1953 1954 1955 1956 1957 1958 Vindsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957 1958 Image: Imag	3,781 3,728 3,497 3,411 3,312 3,185	154, 251 145, 792 134, 235 133, 758 132, 356 123, 789	478, 086, 271 470, 046, 860 448, 775, 761 470, 860, 187 482, 758, 834	980, 873, 073 945, 614, 031 916, 493, 539 962, 271, 402 961, 000, 335	1,875,747,24 1,810,860,95 1,732,099,12 1,797,706,14 1,832,080,72
1954 1955 1956 1957 1958 [amilton: 1939 1944 1949 1951 1958 1956 1957 1958 [indsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957 1958 [indsor: 1939 1944 1959 1951 1953 1954 1955 1956 1957	3, 728 3, 497 3, 411 3, 312 3, 185 461 480	145, 792 134, 235 133, 758 132, 356 123, 789	470, 046, 860 448, 775, 761 470, 860, 187 482, 758, 834	945, 614, 031 916, 493, 539 962, 271, 402 961, 000, 335	1,810,860,95 1,732,099,12 1,797,706,14 1,832,080,72
1955 1956 1957 1958 Iamilton: 1939 1944 1949 1951 1955 1956 1957 1958 'indsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957 1958	3, 497 3, 411 3, 312 3, 185 461 480	134, 235 133, 758 132, 356 123, 789	448, 775, 761 470, 860, 187 482, 758, 834	916, 493, 539 962, 271, 402 961, 000, 335	1, 732, 099, 12 1, 797, 706, 14 1, 832, 080, 72
1956 1957 1958 Iamilton: 1939 1944 1949 1951 1955 1956 1957 Iindsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	3, 411 3, 312 3, 185 461 480	133, 758 132, 356 123, 789	470, 860, 187 482, 758, 834	962, 271, 402 961, 000, 335	1, 797, 706, 14 1, 832, 080, 72
1957 1958 familton: 1939 1944 1949 1951 1955 1956 1957 1958 findsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	3, 312 3, 185 461 480	132, 356 123, 789	482, 758, 834	961,000,335	1, 832, 080, 72
1958 Iamilton: 1939 1944 1949 1951 1955 1956 1957 1958 Vindsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	3, 185 461 480	123, 789			
Tamilton: 1939 1944 1949 1951 1958 1958 Tindsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	461 480		479, 767, 394	973, 581, 141	1, 825, 714, 81
1939 1944 1949 1951 1953 1954 1955 1956 1957 1958 //indsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	480	31 512			
1944 1949 1951 1953 1954 1955 1956 1957 1958 indsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	480	31 512			
1949 1951 1953 1954 1955 1956 1957 1958 Vindsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957			39, 563, 423	70, 829, 034	152, 746, 34
1951 1953 1954 1955 1956 1957 1958 indsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	6/6	53, 500	94, 982, 915	171, 117, 467	363, 033, 67
1953 1954 1955 1956 1957 1958 indsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	546	54, 665	137, 641, 333	285, 180, 403	563, 982, 92
1954 1955 1956 1957 1958 indsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	 560	58, 841	174, 296, 725	391, 412, 980	755, 546, 92
1955 1956 1957 1958 indsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	566	60, 451	201, 515, 979	385, 515, 852	824, 407, 3
1956 1957 1958 'indsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	580	54, 199	189,099,943	341, 555, 746	752, 353, 73
1957 1958 'indsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	588	55, 202	200, 311, 361	395, 047, 070	844, 835, 08
1958 /indsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	 585	58,742	232, 166, 085	498, 410, 570	987, 728, 98
Findsor: 1939 1944 1949 1951 1953 1954 1955 1956 1957	562	57,095	237, 883, 530	502, 608, 132	1,031,430,82
1939	548	50, 269	219, 874, 661	452, 298, 965	943, 304, 36
1944 1949 1951 1953 1954 1955 1956	000	12 200	07 000 000 1		
1949 1951 1953 1954 1955 1956	222	17, 729	25, 938, 890	63, 907, 106	122, 474, 32
1951	231	35, 912	80, 667, 573	232, 102, 240	387, 603, 87
1953	283	34, 591	94, 304, 627	271, 392, 923	494, 162, 20
1954 1955 1956 1957	297	34, 865	112, 076, 215	351, 697, 300	626, 292, 54
1955 1956 1957	338	37,514	140, 481, 193	402, 209, 586	682, 273, 31
1956	353 334	30, 210	112, 816, 841	263, 143, 564	474, 634, 21
1957	 336	25, 654	101, 810, 378	186, 275, 443	374, 512, 41
	 318	24,091	96,798,387	186, 300, 126	369, 790, 09
	 305	29,377	122, 169, 670 103, 237, 036	290,073,160	533, 531, 62 421, 681, 44
innipeg:					
1939	 648	17, 571	20, 717, 273	44, 873, 043	81, 024, 27
1944	686	25, 870	38, 824, 299	119, 917, 745	198, 169, 62
	860	28,687	58, 604, 162	143, 827, 270	255, 006, 80
	849	27,704	65, 741, 785	167, 583, 852	292, 496, 76
	860	28, 230	76, 008, 218	156, 860, 845	300, 186, 77
	864	26,887	74, 628, 593	150, 352, 336	288, 602, 39
	873	26, 392	75, 281, 647	152, 575, 494	291, 084, 61
	869	26,629	80, 891, 909	163,808,668	309, 520, 04
	856	27, 039 25, 867	83, 809, 725	166, 092, 377	314, 229, 18
	820	20, 80 1	85, 034, 125	169, 747, 263	324, 232, 31
ancouver: 1939	829	17,957	22, 382, 192	56, 565, 511	101, 267, 24
	 933				
1949	 1, 225	43, 473 33, 536	79, 141, 407	142, 416, 371	289, 390, 71
	 1, 255	34, 376	78, 793, 345 96, 222, 111	204, 642, 985	358, 620, 520
	1, 316	33, 822		270, 748, 863	461, 594, 39
	 1, 335	33, 822	108, 896, 725 114, 114, 199	255, 906, 780	448, 591, 54
	 1, 330			273, 058, 336	486, 913, 18
	 1, 299	34, 683	120, 488, 180 131, 540, 861	276, 666, 483	489, 181, 44
	 1, 299	36,052		299, 290, 344	534, 658, 163
1958	1, 217	35, 666 32, 765	138, 199, 452 134, 591, 149	305, 719, 965 292, 447, 555	540, 766, 12: -522, 600, 098

¹ Net value is derived from gross value by deducting cost of materials, fuel and electricity. For cost of fuel and electricity in 1958 see Table 18.
² Since 1952 the basis of collection was "Selling value of factory shipments" instead of "Gross value of products".

TABLE 17. Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, grouped according to the Number of Employees per Establishment, 1958

Metropolitan area, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		doll	ars	
Montreal Metropolitan Area: Under 5 employees			1			
Under 5 employees 5 to 14 employees	1,324 1,407	3, 245 12, 031	8,820,658 35,702,422	430, 175 1, 518, 152	26, 385, 745 87, 268, 212	44, 492, 535 156, 876, 968
15 " 49 "	1, 279	34,649	103, 102, 500	4, 182, 571	218, 103, 765	410, 417, 783
100 '' 199 ''	438 204	30,390 27,879	92, 232, 053 88, 295, 430	3,793,283 3,955,802	211, 542, 686 222, 451, 770	400, 280, 011 415, 960, 103
200 11 499 11	137	41,541	147,649,211	12,841,036	427, 587, 892	786, 923, 301
1,000 '' 1,499 ''	45 10	31, 281 11, 546	127, 119, 794 50, 087, 255	22, 299, 575 4, 689, 279	429, 397, 027 255, 146, 012	800, 100, 443 366, 366, 901
1.500 and over	13 113	43, 236	190, 886, 156	4,067,387	242, 192, 527 916, 459	551,091,060 1,117,946
Not classifiable ¹ Head offices ²	-	7,554	44,766,037	-	-	
Totals	4, 970	243, 352	888, 661, 516	57, 777, 260	2, 120, 992, 095	3, 933, 627, 051
Toronto Metropolitan Area: Under 5 employees	1, 261	3,036	8,389,979	459,296	16,888,642	33, 348, 213
5 to 14 employees	1,352 1,202	11,555 32,535	39, 143, 130 115, 208, 104	1,711,852 5,125,407	68, 155, 339 235, 857, 430	139,074,185 462,809,823
50 '' 99 ''	385	26,756	95,079,779	5, 169, 415	236,605,848	437, 982, 788
100 199	204 127	28,575 39,585	106, 743, 654 158, 491, 342	5,031,663 8,677,811	225, 708, 778 306, 970, 247	445, 195, 886 627, 790, 442
500 '' 999 ''	34 13	23,075 16,245	97, 633, 679 71, 482, 953	4,514,281 2,722,091	153, 749, 825 145, 243, 509	354, 462, 901 277, 254, 934
1,500 and over	6	16,098	74, 311, 007	2,386,625	203, 544, 792	324, 478, 189
1,000 '' 1,499 '' 1,500 and over Not classifiable ¹ Head offices ²	141	6,793	41,803,755	_	1, 243, 613	1,555,071
Totals	4, 725	204, 253	808, 287, 382	35, 798, 441	1, 593, 968, 023	3, 103, 952, 432
Hamilton Metroplitan Area: Under 5 employees	214	497	1, 334, 319	96,067	2,782,449	5,326,757
5 to 14 employees	184	1,609	5,348,470	363,692	8,616,755	18, 710, 517 51, 278, 559
15 " 49 "	139 53	3,807	13,826,377 14,705,324	1, 268, 503 1, 324, 788	24, 741, 266 47, 034, 631	81,953,807
100 " 199 "	40 39	5,633 11,368	21, 352, 762 44, 035, 290	1,378,474 4,297,074	57, 576, 790 91, 834, 422	100, 133, 575 172, 420, 526
500 '' 999 ''	12	10, 101	44, 172, 552	2, 903, 714	111,645,700	229, 142, 881
1 000 11 1 400 11	1 4	17, 152	87, 574, 505	14, 327, 264	137, 417, 169	340, 165, 636
1,500 A,225 1,500 and over Not classifiable ¹ Head offices ²	9	321	1,239,336		99, 739	100, 048
Totals	695	54, 303	233, 588, 935	25, 959, 576	481, 748, 921	999, 232, 306
Windsor Metropolitan Area: Under 5 employees	126	297	812,039	62,018	990,820	2, 443, 434
5 to 14 employees	103	884	2,900,144	213, 341	4,836,668 11,019,523	10,627,370 24,489,307
15 " 49 "	75 22	1,959 1,560	7,431,348 6,865,656	415,599 385,821	10,799,325	25, 870, 402
100 '' 199 '' 200 '' 499 ''	16 16	2,261 4,281	9,585,876 18,481,264	938, 289 1, 140, 485	22,818,478 28,616,172	50, 425, 104 65, 488, 717
500 '' 999 ''	3	12, 486	62, 892, 390	2,941,401	153,617,684	266, 408, 181
1,500 and over Not classifiable ¹	2 8	_	_	***	17, 760	27, 217
Totals	371	23, 728	108, 968, 717	6, 096, 954	232, 716, 430	445, 779, 732
Winnipeg Metropolitan Area: Under 5 employees	324	756	1,873,358	139,520	3, 218, 834	6,722,246
5 to 14 employees	280	2,410	6,987,844 18,487,866	483,681 1,053,345	18, 192, 568 41, 362, 615	32, 510, 150 78, 288, 829
50 ** 99 **	212 97	6,014 6,735	21,851,911	1, 105, 534	49,443,674	92, 934, 041
100 '' 199 ''	49 19	6,612 5,178	21,600,679 19,201,064	1,303,242 3,096,256	51, 348, 847 51, 909, 834	98, 328, 770 96, 387, 373
500 " 999 "	5	3,601	14, 262, 676	462,391	61, 361, 026	84, 543, 226
	3	5,727	20, 752, 076	765, 577	56, 195, 486	86, 585, 955
1,500 and over Not classifiable ¹ Head offices ²	59	281	1,286,285	_	242, 115	257, 259
Totals	1,049	37, 314	126, 203, 759	8, 409, 546	333, 274, 999	576, 557, 849
Vancouver Metropolitan Area:			9 770 150	254,916	7, 075, 067	14, 050, 108
Under 5 employees	594 530	1,419 4,498	3,770,156 15,517,129	914,129	29,526,720	57, 161, 867 151, 315, 282
14 " 49 "	357 102	9,308 6,937	35,683,784 27,562,593	2, 502, 617 2, 013, 891	82, 238, 462 85, 798, 453	143, 283, 907
100 " 199 "	67	8,729	27, 562, 593 35, 795, 765	2,896,919	83, 905, 395 161, 430, 515	154, 427, 003 274, 715, 093
200 '' 499 '' 500 '' 999 ''	31 7	10,215 5,024	43, 426, 369 21, 414, 219	4, 136, 273 1, 091, 752	43, 793, 603	82,041,079
1,000 '' 1,499 ''	3	5,238	25,061,341	644,652	22, 997, 628	64,068,114
1,500 and over Not classifiable ¹	54	_	-	4, 027	331, 997	440, 446
Head offices ²	-	1,510	9, 444, 974	14, 459, 176	517, 097, 840	941, 502, 899
Totals	1, 746	52, 878	217, 676, 330	14, 455, 110	311,001,010	312,000,000

Consists of the industry "Publishing (only) of Periodicals".
 Under this heading are included only those head offices that are not located at the plant.

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1958

Note: Statistics for cities and towns with three or more establishments cannot be published when one establishment has 75 p.c. or two establishments 90 p.c. of the total Value of Shipments.

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments	
	num	ber		doll	lars		
Newfoundland: Bay Roberts Harbour Grace St. John's	10 6 99	86 177 2,628	147, 381 379, 751 7, 674, 910	11, 238 34, 031 622, 560	552,416 815,149 12,762,413	1,089,383 1,754,084 29,298,114	
Prince Edward Island: Charlottetown Summerside	35 23	662 252	1,754,189 614,138	205, 278 74, 214	9,305,541 3,320,939	12,854,758 5,105,951	
Nova Scotia Amherst Berwick Berligetown Bridgetown Bridgewater Dartmouth Glace Bay Halifax Kentville Liverpool Lunenburg Middleton New Glasgow North Sydney Pictou Shelburne Sydney Trenton Truro Yarmouth	24 111 7 15 18 19 136 6 11 15 5 5 30 13 9 9 16 46 8 8 37	1, 135 311 123 144 272 305 6, 041 224 174 739 107 856 3099 404 212 5, 204 1, 116 1, 046	3,466,203 686,154 325,899 358,216 901,543 538,741 18,588,848 588,095 540,445 1,965,773 218,618 2,581,216 632,198 469,163 21,608,845 4,143,672 2,237,873 1,881,732	436,167 104,388 52,075 40,240 97,286 78,850 1,151,510 65,992 28,221 130,455 26,049 368,651 57,174 53,496 26,919 4,068,041 455,698 174,689 174,649	5, 259, 110 2, 814, 191 931, 272 1, 021, 494 1, 610, 807 1, 431, 489 975, 793 617, 831 4, 467, 823 824, 475 4, 42, 828 1, 688, 476 948, 121 4, 012, 794 4, 612, 794 4, 612, 794 4, 530, 588	12, 828, 066 4, 300, 445 1, 582, 903 1, 784, 840 2, 301, 315 64, 240, 036 1, 591, 974 1, 557, 997 7, 963, 459 2, 868, 416 2, 747, 267 2, 747, 267 1, 700, 37 8, 714, 100 18, 249, 274 9, 154, 099 8, 237, 820	
New Brunswick: Campbellton Fredericton Grand Falls Lancaster Moncton Newcastle Saint John St. Stephen Shippigan Sussex Woodstock	13 39 14 10 62 11 90 14 7 13	132 976 127 809 2,759 486 3,722 448 292 219 88	366, 534 2, 455, 740 2,44, 303 2, 920, 804 9, 212, 353 1, 784, 132 11, 270, 288 19, 633 616, 572 197, 285	69,654 224,327 74,008 778,156 728,437 487,898 1,529,379 23,959 79,733 40,830	753, 236 4, 487, 440 816, 453 9, 355, 359 27, 975, 142 4, 187, 371 43, 563, 533 1, 695, 861 1, 287, 790 1, 851, 693 846, 983	1,703,499 9,186,891 1,372,134 21,085,151 42,647,383 4,434,287 70,011,574 3,458,770 2,111,586 3,165,238 1,341,046	
Quebec: Acton Vale Amos Amqui Beauceville East Beauharnois Beauport Bediord Beloeil Berhierville Cabrier Capde-la-Madeleine Charlesbourg Chicoutimi Coaticook Contrecoeur Cowansville Danville Danville Disraeli Dorion Dorval Drummondville Parnham Fort Chambly Giffard Grand-Mêre Hull Huntingdon Iberville Joaques Cartier Joliette Jonquière Lachine Lachine Lachine La Pfrade La Prairie La Salle La Salle	166 15 14 13 221 14 14 11 19 13 34 14 6 15 15 11 15 18 20 9 16 81 13 22 2 28 18 82 2 20 12 12 19 48	1,309 90 92 138 1,500 359 713 118 657 235 2,587 127 511 936 244 1,593 104 41 1,593 104 222 214 108 5,778 5,117 523 383 5,286 2,229 3,287 562 3,287 562 3,287 662 67 67 67 67 67 67 67 67 67 67 67 67 67	2. 657, 481 228, 713 222, 844 335, 976 5, 943, 760 1, 050, 655 1, 922, 255 332, 255 5, 451, 354 543, 049 7, 763, 872 298, 479 336, 002 1, 457, 463 2, 340, 398 2, 540, 174 4, 785, 941 262, 912 380, 156 475, 410 381, 156 475, 483 154, 868 16, 458, 399 3, 158, 828 1, 465, 360 1, 098, 818 16, 470, 853 7, 170, 698 12, 248, 360 1, 988, 818 16, 470, 853 7, 170, 698 18, 984 4, 722, 742 2, 48, 360 1, 988, 585 8, 894 4, 722, 742 1, 911, 328 54, 366, 494 1, 203, 233 146, 935 1322, 125 1, 383, 716 21, 210, 755	165, 908 41, 541 21, 303 14, 111 3, 621, 687 82, 602 62, 687 72 176, 214 156, 952 32, 248 1, 645, 617 113, 986 137, 850 29, 117 113, 986 137, 850 29, 412 394, 620 91, 98 20, 580 32, 622 17, 196 1, 601, 992 2, 199, 754 72, 981 1435, 613 2, 597, 862 199, 423 79, 245 321, 875 690, 255 125, 683 2, 0507, 783 207, 991 31, 872 227, 991 31, 872 227, 991 31, 872 227, 991 31, 872 227, 991 31, 872 227, 991 31, 872 227, 991 31, 872 227, 991 31, 872 227, 991 31, 872 227, 991 31, 875	9,171,531 696,895 1,012,181 618,501 13,349,779 2,360,072 2,191,452 6,667,968 2,751,901 917,259 26,509,067 728,441 1,050,048 2,512,884 3,799,309 9,81,016 7,263,018 698,658 1,016 7,263,018 698,658 6,225,227 2,393,838 2,076,525 41,634,386 12,527,389 30,094,068 12,527,389 30,944,680 12,527,389 15,568,067 1,443,991 9,549,860 10,980,359 2,648,952 2,760,986 3,267,338 586,175 2,170,620 2,289,157,62	14, 575, 988 1, 162, 773 1, 514, 664 1, 207, 790 33, 430, 873 4, 462, 595 5, 251, 726 1, 144, 872 6, 071, 805 1, 989, 960 49, 013, 653 1, 298, 135 1, 574, 644 5, 453, 390 7, 290, 875 1, 773, 662 15, 111, 448 1, 328, 408 1, 424, 780 2, 569, 774 1, 461, 754 73, 969, 951 13, 300, 216 4, 665, 266 4, 298, 506 77, 177, 475 27, 810, 136 55, 519, 115 8, 240, 626 5, 130, 779 19, 449, 543 22, 947, 245 7, 740, 050 184, 897, 434 5, 704, 807 1, 117, 017 1, 117, 017 1, 194, 434 1, 704, 807 1, 117, 017 1, 117, 017 1, 194, 543 2, 744, 807 1, 117, 017 1, 117, 017 1, 194, 543 2, 744, 807 1, 117, 017 1, 117, 017 1, 117, 017 1, 117, 017 1, 117, 017 1, 117, 017 1, 117, 017 1, 118, 228, 331 1, 162, 773 1, 194, 604 1, 194, 604 1, 194, 604 1, 194, 604 1, 194, 604 1, 194, 604 1, 194, 604 1, 194, 604 1, 194, 604 1, 194, 604 1, 194, 604 1, 194, 202 1, 194, 604 1, 194, 202	

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1958 — Continued

				O O O III III II II II II II II II II II		
Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	nber		dol	lars	
Quebec — Concluded: L'Assomption Laval-des-Rapides Leunoxville L'Épiphanie L'Épiphanie L'évis L'Isletville Longueuil Loretteville Louseville Magog Maniwaki Marieville Matane Mégantic Mont-Joil Mont-Laurier Montmagny Mont-Royal Montreal ast Montreal ast Montreal Sast Montreal North Nicolet Outremont Pierreville Plessisville Pointe-aux-Trembles Pont-Viau Princeville Québec Richelleu Richmond Rimouski Rivière-du-Loup Rock Island Rougemont Rouge St-Agathe-des-Monts St-Anselme St-Césaire St-Denis St-Eustache St-Penis St-Eustache St-Perion St-Folicien St-Folicien St-Fores St-Jean St-Laurent St-Laurent St-Laurent St-Marie St-Pie St-Raymond St-Raymond St-Raymond St-Raymond St-Raymond St-Raymond St-Reimi St-Rose St-Tite Shawnilan Falls Shawville Sherbrooke Sutton Treteford Mines Three Rivers Thurso Trois-Pistole Val d'Or Valleyfield Verdun Victoriaville Warwick	ments		1, 888, 062 401, 225 1, 318, 512 413, 938 1, 212, 773 931, 060 12, 682, 668 1, 284, 131 3, 204, 875 215, 959 6, 673, 628 311, 724 1, 366, 124 607, 824 1, 263, 829 500, 526 703, 805 3, 431, 419 22, 815, 306 601, 773, 312 33, 453, 676 4, 260, 802 858, 526 4, 368, 725 3, 841, 419 22, 815, 306 601, 773, 312 33, 453, 676 4, 260, 802 858, 526 4, 868, 725 3, 841, 166 61, 339, 705 2, 892, 946 491, 957 1, 766, 277 49, 273, 032 1, 766, 277 49, 273, 032 1, 706, 277 49, 273, 032 1, 707, 338 1, 707, 338 1, 707, 338 1, 707, 338 1, 707, 348 1, 720, 338 1,	electricity	of materials used	of factory
Waterloo Weedon-Centre Westmount	20 10 35	573 191 1,766	1,605,777 336,630 6,375,390	106,277 60,103 428,458	1, 124, 296 9, 989, 994	6,034,912 1,657,308 21,135,574
Ontario:	18	934	3, 195, 031	248.710	7, 118, 881	12, 511, 137
Ajax Alexandria Alliston Arnprior	37 9 10 19	1,701 170 187 953	6, 249, 640 378, 234 560, 783 2, 950, 593	303, 424 31, 090 28, 203 166, 267	15,974,510 1,583,946 1,169,244 4,240,983	26, 899, 974 2, 483, 794 2, 416, 614 11, 190, 764

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1958 — Continued

Municipality .	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nur	nber		dol	lars	
ntario — Continued:						
Aurora	23	1,069	3,751,687	150,144	8,005,124	19, 171, 273
Barrie	. 40	1,754	6,482,522	424,778	17,503,522	34, 971, 636
Beamsville	8 7	136 148	381,838 434,122	36,789 38,049	624, 521 838, 784	1,337,784 1,507,905
Beaverton Belleville	72	3, 204	11, 772, 157	2, 168, 879	13, 942, 418	40,004,432
Blenheim	. 9	86	11,772,157 222,336	17, 228	557, 767	1,023,918
Bloomfield	. 7	132	290,309	24, 204	1, 107, 493	1,926,290
Blyth Bowmanville	. 5 . 16	43 747	149,324 2,861,559	28,892 223,305	1,377,819 4,933,016	1,686,456 11,303,025
Brampton	. 43	1,818	6,674,911	495, 145	11, 242, 174	24, 947, 376
Brantford Brighton	. 173	10,781	38, 733, 514	2, 253, 958	72, 498, 870	144, 356, 944
Brighton Brockville	11 46	3, 215	523, 781 11, 998, 721	38,998 738,741	1,607,028 40,364,684	2,739,924 70,976,637
Burlington	34	1, 189	4, 193, 633	251,301	8,864,590	18, 144, 090
Campbellford	. 18	269	756,381	44,865	1,803,212	3,072,967
Carleton Place	. 13	383	1, 158, 173	86,842	1,997,239	4, 240, 815
Casselman Chatham	10 70	3,423	220,668 13,250,043	43,756 1,293,810	1,792.018 72,843,761	2, 221, 323 99, 781, 801
Chesley	14	245	602,375	24, 596	828, 013	1,645,096
Clinton	. 12	220	497,325	33, 294	1,021,271	1,636,174
Cobourg	. 31	984	3,604,553	238, 173	9,366,120	21, 811, 914
Collingwood	. 25	1,678 6,197	5, 357, 171 23, 966, 579	184,714 5,572,322	9,713,904 37,911,129	18, 262, 818 88, 815, 443
Desoronto		195	494, 327	32,775	1,393,419	2.583.612
Dresden	. 10	185	572,043	74,381	1,808,703	3,710,907
Dundas	. 37	1,119	4,015,016	196,981	6, 228, 319	12,079,549
Dunnville Durham	. 17	1,247	3, 335, 983 632, 735	185, 428 55, 919	9,851,149 1,304,542	16,724,902 2,643,002
Eastview	23	434	1,679,754	111, 992	5, 250, 343	8,826,315
Eganville	. 10	104	287,919	59,937	1, 124, 953	8, 826, 315 1, 779, 107
Elmira Essex		736 269	159, 066 877, 516	20,094 116,323	730, 527 2, 319, 336	1, 120, 553 3, 278, 245
Fort Erie		855	3, 495, 736	146, 158	9,638,522	18, 214, 686
Fort William	. 70	3,482	14,609,748	4, 450, 077	37,506,676	70,941,740
Galt	1 02	7, 140	24,712,000	1,013,452	42, 251, 630	85, 888, 005
Gananoque Georgetown Glencoe	17	771 1, 244	2,893,093 4,808,827	229,667 280,885	5,821,879 9,303,883	10,959,617 16,644,516
Glencoe	. 8	238	585, 884	20, 230	1, 236, 655	2, 209, 374
Goderich	. 18	450	1,427,403	231, 989	3,860,184	2, 209, 374 7, 587, 549
Gravenhurst		319	1,021,574	81,422	1,743,697	3, 260, 056
Grimsby Guelph	19	519 6,409	1, 258, 363 23, 466, 069	77,064 1,241,652	2, 954, 178 44, 574, 250	5, 229, 667 87, 705, 597
Hamilton	548	50, 269	219, 874, 661	24, 757, 682	452, 298, 965	943, 304, 365
Hanover	. 23	1,027	2,937,950	128,895 75,731 231,199	5,329,599	9,849,816
Harriston	. 10	173 866	413,247 3,005,600	75, 731	1, 431, 219	2, 383, 148 10, 009, 440
Huntsville	. 15	362	1,050,124	88,825	4, 955, 174 2, 893, 756	4, 817, 714
Ingersoll	. 29	1,034	3,443,421	584,277	11,860,819	21, 433, 862
Kemptville	. 9	94	302,740	83,894	2,559,660	3, 553, 152
Kincardine	. 14	396 4,318	988, 858 16, 775, 451	109,076 1,472,570	1,690,531 27,512,963	3, 192, 102 54, 948, 546
Kingston Kitchener	. 196	15, 200	54, 427, 481	2,604,456	122, 469, 700	232, 151, 746
Kitchener Leaside	. 46	7,586	54, 427, 481 31, 066, 216	975,045	122, 469, 700 57, 773, 178 7, 765, 606	106,448,526
Lindsay	. 36	1,569	4,888,575	421,415	7,765,606	18, 891, 588
Listowel London	. 13	488 15, 110	1, 299, 982 54, 927, 504	110, 210 2, 821, 951	3,128,008 99,818,670	5, 767, 471 212, 874, 104
Long Branch		978	3,850,717	211,740	9, 243, 441	19, 884, 926
Lucknow	. 7	32	86,328	13,311	1, 193, 229	1, 376, 766
Markham	. 13	251	785, 851	61, 164	2,086,494	4,446,342
Meaford Merritton	. 1 20	486 1.688	1, 174, 434 7, 385, 486	97,863	2,434,446 16,422,360	5,017,549
Midland	. 18 29	1, 135	3, 342, 022	1,399,692 145,795 606,601	9, 336, 349	30,847,260 14,577,035 13,234,595
Milton	. 15	888	3,342,022 3,627,261	606,601	9,336,349 6,000,355	13, 234, 595
Milverton	. 11	176	467,701	31,531	830, 800	1,549,379
Mimico Mount Forest	. 37	864 250	3,081,645 512,858	266, 409 41, 730	5, 425, 454 1, 237, 157	11,535,099
Napanee	17	462	1,581,628	166, 598	4,032,099	2, 195, 987 7, 285, 836
Newcastle	. 5	155	436,753	19, 244	566, 560	1, 222, 289
New Hamburg New Liskeard		437	1,060,382	50, 483 94, 308	1,409,089 2,649,884	3, 853, 270 5, 095, 693
Newmarket	. 15	1,014	1,627,089 3,418,281	180, 198	5,837,221	13, 713, 356
New Toronto	. 43	7,372	33,694,221	2,349,025	92, 407, 378	177, 033, 340
Niagara Falls	. 79	4,444	18,095,681	4,531,763	30,071,539	73, 434, 974
North Bay	. 29	592	2, 122, 339	168,951	3,717,994	7, 459, 712
Norwick	. 48	1,869	203, 768 7, 338, 245	19,549 445,614	1,043,629 14,253,830	1,724,047 31,419,863
Oakville Orangeville	15	176	483, 999	98,840	1,053,732	1,955,055
Orillia	. 60	2,224	7,005,180	488,644	8,600,629	20, 814, 168
	. 290	9,968	36, 207, 930	2,655,268	58, 484, 898	130, 610, 070
Ottawa	. 50	2, 179	6,884,686	326, 265	9, 112, 538 5, 833, 250	23, 176, 465
Ottawa Owen Sound		1 070				
Ottawa Owen Sound Paris Pembroke	. 30	1,079	3, 219, 710 4, 358, 530	166, 387 180, 733		11, 598, 542 12, 075, 284
Ottawa Owen Sound Paris Pembroke Penetanguishene	30 28 12	1,377	4,358,530 948,959	180, 733	6, 160, 390 1, 228, 818	12,075,284 2,633,195
Ottawa Owen Sound Paris Pembroke Penetanguishene Perth	30 28 12 26	1,377 359 788	4,358,530 948,959 2,251,216	180, 733 40, 902 134, 940	6, 160, 390 1, 228, 818 4, 434, 754	12,075,284 2,633,195
Ottawa Owen Sound Paris Pembroke Penetanguishene Perth	30 28 12 26	1,377 359 788 9,480	4,358,530 948,959 2,251,216 48,463,688	180, 733 40, 902 134, 940 1, 498, 145	6, 160, 390 1, 228, 818 4, 434, 754	12,075,284 2,633,195 9,642,828 148,137,294
Ottawa Owen Sound Paris Pembroke Penetanguishene	30 28 12 26 93	1,377 359 788	4,358,530 948,959 2,251,216	180, 733 40, 902 134, 940	6, 160, 390 1, 228, 818	12,075,284 2,633,195

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1958 — Continued

or Over, and with three or more Establishments, 1958 - Continued									
Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments			
	nun	nber		dol	dollars				
Ontario – Concluded; Port Elgin Preston	8	171	354,672	29,062	604,379	1,084,946			
Ponfrom	45 24	2,846 655	9,592,772 2,068,554	348,623 140,265	14,092,255 3,496,100	30, 153, 043 6, 622, 209			
Richmond Hill Ridgetown	16	228	800,967	92,801	3,025,519	4, 931, 230			
Riverside	14 10	214 137	642, 314 510, 442	42,970 40,257	2,863,924 1,306,570	4,351,094			
St. Catherines	102	6,321	26,532,613	1,342,183	33, 129, 067	2, 263, 116 74, 554, 477			
St. Mary's St. Thomas	14 53	570 2,417	2, 155, 200 8, 516, 561	1,714,988 427,826	6,673,720 16,445,250	15,310,571			
Sarnia	51	7, 211	36,608,676	23, 915, 415	195, 774, 287	35,606,234 362,595,944			
Sault Ste-Marie Seaforth	48 14	8,514	41,665,923 753,607	7, 595, 648 28, 849	82, 396, 708	163,758,806			
Simcoe	27	1,390	5, 175, 979	534, 204	1, 115, 031 29, 139, 988	2, 266, 131 39, 172, 853			
Smith Falls Southampton	30 6	707 310	2, 155, 105 778, 969	159, 250 37, 004	3, 906, 761	39, 172, 853 10, 479, 700			
Stirling	9	139	282, 230	11, 192	1, 452, 629 756, 563	2,603,048 1,228,823			
Stoney Creek Stratford	12	251	642,936	89, 172	2, 162, 465	3, 126, 503			
Strathroy	74 25	3,477	11,776,515 1,978,392	534, 031 89, 343	22, 350, 750 3, 780, 888	42,055,057 8,375,428			
Sudbury Swansea	57	1, 102	1, 978, 392 4, 282, 685	50 5,579	7, 275, 444 7, 209, 039 1, 052, 587	15, 897, 456			
Tavistock	16 7	820 80	3, 396, 190 199, 444	193,650 25,179	7, 209, 039 1, 052, 587	14,461,918			
Thamesville	9	163	453,084	32,004	1,751,945	14, 461, 918 1, 352, 195 2, 781, 601			
Thorold	24 26	1,527 971	6,574,715 3,009,427	1,775,028 341,709	12, 787, 814 20, 526, 406	26, 642, 761 25, 157, 970			
Timmins	24	355	1.071 643	125,485	2,664,682	4, 941, 782			
Toronto	3, 185 28	123, 789 1, 716	479, 767, 394 5, 714, 560 320, 306	20,855,472 838,780	973, 581, 141 11, 671, 907	1,825,714,816 26,385,109			
Tweed	7	125	320, 306	16,433	638,518	1, 126, 268 4, 200, 776			
Walkerton Wallaceburg	14 29	564 2,227	1,580,965 7,979,414	52,705 1,187,367	1, 985, 326 10, 341, 914	4,200,776 22,945,847			
Waterloo	63	3, 128	10,877,326	577,709	20,785,141	59, 225, 029			
Welland	52 7	2,820 284	10, 141, 882 735, 532	826,317 31,093	14, 475, 824 1, 289, 812	32, 327, 611 2, 578, 207			
Weston	53	2, 105	8, 212, 469	460,820	12, 276, 178	27, 599, 898			
Wheatley Windsor	6 305	154 22,295	8, 212, 469 352, 389 103, 237, 036	38,095 5,725,545	648,523 220,362,294	1, 271, 682 421, 681, 449			
Wingham	17	403	1, 179, 810	102,772	3, 176, 243	5,710,418			
Woodstock	58	3,933	13,750,151	2, 231, 949	38, 934, 128	68, 400, 032			
Manitoba: Brandon	42	856	0.050.444	400, 000	10 505 400	00 000 500			
Dauphin	15	94	3,070,444 245,319	403, 208 36, 447	12,527,492 1,108,560	20,009,567 1,635,406			
Morden Neepawa	9	150	422, 201	64,623	752,030	1,635,406 1,599,883			
Portage la Prairie	16	111	353, 526 399, 676	102,656 42,606	827, 237 779, 033	1,705,188 1,563,458			
St. Boniface	95	5,093	18, 455, 210	2,311,969	122, 900, 966	163, 199, 514			
St. James	55 12	2,692 229	9,305,894 489,532	356,822 50,684	14, 202, 350 940, 045	35, 561, 200 2, 020, 738			
Winnipeg	820	25,867	85,034,125	3,683,565	169,747,263	324, 232, 314			
Saskatchewan;									
Canora	6	67	184, 867	41, 263	696,590	1,025,488			
Hudson Bay Melville	8	70 64	175, 215 184, 077	19,512 26,345	770,383 1,282,788	1, 277, 270 1, 727, 017			
Moose Jaw	42	1,361	5, 147, 424	1,011,029	32,613,355	1,727,017 47,704,668			
North Battleford Prince Albert	11 33	151 881	412,874 3,239,525	50,689 264,298	1, 278, 406 13, 938, 667	2, 182, 468 21, 475, 351			
Regina	147	3,505	13,405,127	2,976,924	52.475.712	100,257,937			
Saskatoon Swift Current	128 17	3,211	12, 093, 518 772, 890	1, 203, 869 94, 981	54, 735, 617 2, 986, 918	84, 189, 718 4, 441, 246			
Weyburn	9	97	289,699	53,491	1,911,647	3,003,914			
Yorkton	21	187	569,962	101,589	1,669,575	2,904,551			
Alberta: Barrhead	6	43	103, 119	9, 421	958, 586	1, 173, 297			
Calgary	344	10,219	39,664,263	2,662,832	139, 426, 437	224, 998, 173			
Camrose Edmonton	14	12, 869	278, 424 46, 254, 854	24, 994 2, 344, 929	1, 156, 165 159, 165, 705	1,644,951 251,653,786			
Grande Prairie	408 14	303	852,068	126,634	2, 116, 998	251,653,786 3,898,262			
Lethbridge	56 42	1, 266 1, 075	4,081,113 3,868,653	321,081 512,332	9,811,310 15,925,333	21, 582, 725 26, 491, 417			
Medicine Hat Red Deer	28	325	1,077,369	116,497	4,694,256	8,079,059			
Rocky Mountain House	9 12	68 80	174, 205 203, 874	16,430 17,292	1,513,666 1,210,808	1,881,065 1,587,095			
Wetaskiwin	12	00	203,011	11,202	1,210,000	2,001,000			
British Columbia:		100	668, 950	152, 269	497, 161	1,667,801			
Abbotsford Armstrong	8	168	248,826	24,922	655, 287	1, 127, 316			
Chilliwack	22	380	985,470	90, 179	2, 248, 739 603, 816	4,055,157 1,260,421			
Courtney Cranbrook	17 15	115 241	378, 763 854, 938	36,918 65,845	1,435,252	2,657,328			
Dawson Creek	15	186	711, 376	215, 219	2,998,989	4, 447, 024			

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1958 - Concluded

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	iber		doll	lars	
British Columbia — Concluded: Duncan Grand Forks Kamloops Kelowna Merritt Mission City Nanalmo Nelson Nelson New Westminister North Vancouver Oliver Pentiction Port Alberni Port Moody Prince George Prince Rupert Quesnel Salmon Arm Trail Vancouver Vernon Victoria Williams Lake	15 10 34 33 9 13 26 25 105 70 10 28 14 8 51 19 36 9 17 1, 217 1, 217 25 183 16	106 132 355 896 209 160 356 258 6,115 2,832 193 368 2,426 707 791 339 133 112 142 32,765 33,765 33,765	365, 995 398, 395 1, 098, 038 2, 956, 369 683, 810 612, 893 1, 316, 991 836, 092 24, 436, 540 13, 014, 931 677, 693 971, 357 11, 229, 167 2, 810, 081 2, 845, 633 1, 169, 567 317, 183 342, 124 490, 618 134, 591, 149 1, 286, 562 17, 945, 120 539, 628	23, 185 40, 598 103, 794 200, 073 56, 561 51, 000 107, 540 81, 482 1, 951, 168 1, 428, 666 66, 211 2, 338, 240 223, 226 232, 430 90, 472 32, 540 34, 788 43, 471 6, 301, 610 106, 727 915, 137 54, 945	643,540 502,111 2,077,514 1,053,964 1,250,106 1,864,950 1,478,165 62,919,597 13,259,069 1,293,406 1,293,406 1,447,600 21,082,031 8,469,694 9,615,869 9,615,869 8,508,077 539,328 872,310 647,595 2,532,129 28,016,242 2,821,196	1,207,261 1,525,554 4,379,927 10,550,241 2,252,338 2,392,384 4,240,622 3,198,930 116,164,166 37,086,958 2,083,415 3,037,653 40,864,633 15,078,077 15,017,724 4,863,790 1,018,556 1,472,932 1,419,150 522,600,098 4,632,622 61,970,957 3,819,463

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1958

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments	
	num	nber		dol	lars		
Newfoundland:							
Division No. 1	197	3,883	10,007,787	834,641	17, 135, 139	38,693,356	
Division No. 2	19	434	817,329	72, 180	1,502,477	2,709,272	
Division No. 3	25	663	837, 206	68, 274	1,821,081	3,320,615	
Division No. 4	46	84	77,397	45,837	594,210	1, 195, 771	
Division No. 5	42	2, 103	9,614,648	4,291,571	16,777,879	39,436,871	
Division No. 6	53	1,458	7,087,162	1,470,022	12, 249, 972	27,603,232	
Division No. 7	170	588	556,398	93, 161	1,358,683	2,821,486	
Division No. 8	103	191	144,439	13,807	382,058	638,320	
Division No. 9	108	194	90,103	13,034	330,562	553,302	
Division No. 10	5	6	1,100	192	4,230	6,975	
Totals	768	9, 604	29, 233, 569	6, 902, 719	52, 156, 291	116, 979, 200	
Prince Edward Island:							
Kings County	42	266	364,597	50,250	1,738,593	2,356,355	
Prince County	56	471	918,430	111,681	5,476,333	7, 887, 416	
Queen's County	81	895	2, 106, 958	257, 511	11,988,531	16,643,957	
Totals	179	1,632	3, 389, 985	419, 442	19, 203, 457	26, 887, 728	
Nova Scotia:							
Annapolis	35	372	792,064	95, 423	2,425,937	5, 511, 743	
Antigonish	21	147	238,927	27, 914	683,048	1, 176, 229	
Cape Breton	114	6,200	23,538,107	4,305,782	45, 727, 413	87, 773, 061	
Colchester	104	1,687	3,690,733	334,420	8, 828, 132	16,581,095	
Cumberland	79	1,530	4, 215, 499	512, 161	7,776,352	16,596,263	
Digby	78	593	909,466	101, 221	2,478,379	4,001,486	
Guysboro	33	263	399, 357	45,944	1,608,180	2,562,513	
Halifax	234	8,090	26,099,001	4,838,075	84, 500, 254	159, 368, 611	
Hants	57	985	2, 189, 867	525, 683	4,711,384	9,877,731	
Inverness	45	249	301, 385	32,895	1, 121, 524	1,575,859	
Kings	74	1,008	2, 110, 927	310, 590	8, 169, 037	13, 125, 488	
Lunenburg and Queens	157	2,776	8, 317, 724	1,526,999	16,820,566	36, 885, 750	
Picton	103	2,770	8,621,038	954,529	19,513,533	34,838,493	

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1958 — Continued

County and Census Division	Estab- lish-	Employees	Salaries and wages	Cost of fuel and	Cost at plant of materials	Selling value of factory
	ments	nber		electricity	used	shipments
Nova Scotia — Concluded:			1			
Richmond	24	331	701 121	05 510	0.010.040	0.010.00
Shelburne	59	786	701,131 1,421,826	37,713	2,218,949	3,618,32
Victoria	23	235	398, 178	168,760 41,224	4,526,062	7,548,66
Yarmouth	57	988	2,060,323	195,558	904,536 5,250,317	1,619,65 9,268,28
Totals	1, 297	29,010	86,005,553	14, 054, 891	217, 263, 603	411, 929, 24
				,,	121,100,000	22,000
New Brunswick:						
Albert	12	134	437,030	177,875	1,084,700	2, 159, 95
Carleton	47	599	1, 180, 073	146,251	3,962,654	6,637,5
Charlotte	63	1,842	3,577,431	335,219	8,421,183	14,574,6
Gloucester	98	1,936	5,733,277	1,544,500	14,691,647	27,779,9
Kent	37	357	506,896	82,963	2,794,844	3,595,1
King's	45	480	1,460,207	765, 198	3, 183, 926	7,677,4
Madawaska	44	1,214	4,729,244	1,510,955	11, 164, 195	29,037,9
Northumberland	69	998	2,902,898	584, 433	6,785,568	8,962,8
Queens	29	216	498,878	140,549	773,803	1,885,9
Restigouche	47	1,930	7,997,463	3, 943, 165	15,768,862	38,865,5
St John	118	4,806	14,900,449	2,388,429	55,636,914	95,429,8
Sunbury	9	34	50,048	6,960	165, 930	311,4
Victoria	38	385	931,628	100,413	2,235,220	3,997,0
Westmorland	191	4,230	12,556,341	1,074,575	36, 428, 697	57, 214, 1
York	92 939	1,583 20,744	3,615,308 61,077,171	360, 641 1 13, 162, 126	7,462,832 170.560.975	13,892,3 312,021,8
				20, 200, 200	210,000,010	014,041,0
Quebec:			1			
Abitibi	161	1,386	3,410,463	447,646	9,283,022	16,232,6
Argenteuil	71	3,305	10,616,904	697,385	20, 119, 891	43,450,2
Arthabaska	154	4,232	10,425,338	685,356	28,371,259	47,043,7
Bagot	73	1,822	3,714,949	324, 207		23,415,5
Beauce	186	3,020	6,989,466	622,026		30, 302, 4
Beauharnois	82	5,713	19,854,691	5,698,270		92, 193, 5
Bellechasse	68	316	561,627	77, 698		5,402,4
Berthier	122	1,759	3,496,539	330,051		14,721,4
Bonaventure	76	542	887,092	114,708	3,050,472	4,837,4
Brome	41	351	751,305	94,118	3,241,795	5,456,7
Chambly	142	6,796	23,850,748	1,179,315	36, 572, 393	80, 298, 6
Champlain	229	7,673	24, 185, 460	5,401,046	66,849,438	129,883,3
Charlevoix Est.	31	582	2,195,990	1,164,635	4,692,661	10,838,1
Charlevoix Ouest	31	107	176,650	15,088	677, 254	989,5
Chateauguay	34	605	1,513,011	127,892	5,993,771	9,289,7
Chicoutimi	176	10,730	49, 252, 776	20,738,494	129,276,365	270,841,9
Compton	68	1,459	4,810,729	1,431,434	14,685,628	25, 291, 6
Deux-Montagnes	56	376	937, 192	100,892	3,064,765	5, 126, 5
Dorchester	116	504	1,028,868	192,035	6,311,266	8,490,7
Drummond	118	6, 134	17, 223, 397	1,909,551	43,670,558	87,035,3
Frontenac	99	1,265	2,272,824	260,734	5, 906, 496	10, 141, 2
Gaspé Est.	76	1,042	2,482,988	776,820	6, 185, 916	11, 133, 3
Gaspé Ouest	22	445	1,155,803	580,156	21, 148, 449	25, 444, 5
Gatineau	52	274	567,057	73,016	2,208,637	3,926,5
Hull	67	5,884	23,502,731	8,716,648	50, 518, 474	104, 955, 6
Huntingdon	30	635	2,050,823	220,705	5,870,002	8,964,2
Iberville	39	408	1,068,518	112, 112	3, 125, 024	5, 308, 9
Iles-de-la-Madeleine	27	457	475,424	53,335	1,796,359	2,655,9
Jesus Island	64	888	2,392,919	204,913	4,969,895	10, 131, 4
Valiable	131	2,986	8,556,722	1,219,056	17,999,695	33,887,0
Joliette					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Kamouraska Labelle	81 87	521 748	977,706 1,641,029	104,672 115,955	3,901,136 4,503,385	5,546,9 7,966,1

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1958 — Continued

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	nber		dol	lars	
Quebec - Continued:						
Lac St Jean Ouest	139	1,375	4,344,925	1,665,012	14,795,498	31,451,499
Laprairie	43	1,277	4,822,069	1,225,361	5,627,739	16,387,633
L'Assomption	77	2,176	6,649,993	534,053	23, 182, 818	31, 248, 527
Levis	100	3,965	12,949,369	782, 154	19,074,482	37, 574, 889
L'Islet	82	772	1,790,997	130, 272	4, 171, 737	7, 560, 643
Lotbinière	109	923	1,878,010	258, 704	8,010,434	11,820,656
Maskinonge	65	1,675	4,023,256	421,737	8,682,894	15, 271, 534
Matane	65	604	1,609,481	101,427	2,996,700	5,720,90
Matapédia	60	333	683,039	70, 919	2,726,094	4,018,774
Mégantic	119	1,894	5, 250, 633	373,639	10, 459, 703	19, 701, 56
Missisquoi	72	3,615	10, 292, 995	793, 291	17,666,941	36, 542, 48
Montcalm	53	405	815, 499	79,522	4, 082, 763	5,378,578
Montmagny	80	1,474	3,959,279	301,644	10, 039, 197	17, 923, 19
Montmorency No. 1	45	714	2,597,425	1,616,760	5, 931, 141	
Montmorency No. 2	13	61	138,064	18,763		16,894,346
Montreal Island	4,852	237,585			486, 233	697,649
Napierville	28	586	868,514,022	56,772,312	2,088,211,254	3,868,380,98
Nicolet	111		1,412,511	102,374	5, 184, 583	8, 135, 283
1		916	1,977,265	293,683	9,727,438	14, 113, 130
Papineau Pontiac	79	1,959	7,549,970	2, 138, 624	19,006,140	36,595,489
	44	448	1,180,399	123,756	5,505,171	7, 523, 164
Portneuf	159	3,010	10, 114, 380	3, 899, 145	18,842,131	42,486,02
Quebec	591	19,667	60,072,911	7,603,353	127,669,437	256, 503, 650
Richelieu	71	3,961	14,293,359	3,919,153	11,222,100	38,603,330
Richmond	68	3,566	13, 139, 237	3,034,567	25, 958, 273	51, 498, 029
Rimouski	131	1,032	2,499,434	237, 251	7,050,477	11,743,394
Rivière-du-Loup	90	559	1,272,486	155,988	5,689,504	8, 167, 644
Rouville	86	1,501	3,617,335	466,271	13,308,263	20, 115, 921
Saguenay	60	2,087	10,020,913	4,058,702	23,562,490	46, 102, 187
Shefford	153	6,397	19,494,969	1,219,367	50,749,376	92, 790, 212
Sherbrooke	141	7,553	21,977,519	1,743,944	47,457,701	94,329,288
Soulanges	19	45	90,788	17,289	791,271	982,029
Stanstead	92	4,381	11,357,724	1,093,070	41,293,726	62, 588, 191
St. Hyacinthe	146	4,626	11,919,658	988,551	34,046,165	57, 901, 309
St. Jean	94	5,793	19,061,759	1,345,306	36,907,859	67,783,060
St-Maurice	193	14,441	54, 290, 062	18,838,138	105,890,889	246, 933, 463
Témiscamingue	87	2,280	8,555,365	4,349,020	81,508,474	111,703,293
Témiscouata	71	600	1,332,654	113,276	3,800,202	6,258,096
Terrebonne	244	6,343	17,821,842	1,618,295	39,805,866	73, 923, 230
Vaudreuil	59	521	1,225,772	107,065	3,587,496	6, 129, 566
Verchères	68	1,774	6,426,456	2,014,724	25,096,655	38,642,559
Wolfe	48	631	1, 195, 258	321,677	2,949,850	5,350,781
Yamaska	45	369	681, 938	117, 718	3,293,348	4,610,025
Totals	11,828	429, 358	1, 476, 605, 908	183, 376, 483	3,597,784,845	6, 754, 798, 278
Ontario:				,		
	105	0.700	4E 000 000	0.000	04 654 44	404
Algoma	105	9,722	45, 892, 673	8,062,587	91,854,417	184, 075, 768
Brant	239	12,464	43,826,472	2,560,644	84,576,082	165,047,501
Bruce	151	2, 184	5,439,049	514,517	13,804,499	22,841,260
Carleton	350	11,134	40,686,199	2,847,037	67,044,760	146,872,273
Cochrane	88	4,062	17, 929, 166	3,610,929	37,740,116	89, 437, 872
Dufferin	42	259	685,763	98, 282	2, 291, 438	3,530,414
Dundas	46	758	2, 224, 184	377,611	14,963,437	22,749,762
Durham	73	2,393	8,856,258	748,017	92,427,618	111, 218, 330
Elgin	103	3,259	10,870,106	704,369	49, 989, 751	75,573,375
Essex	486	28, 160	123, 912, 432	9,201,536	293, 762, 782	552,402,376
Frontenac	107	5,647	22,452,249	1,880,035	40, 594, 284	93,402,051
Glengarry	46	321	757, 945	107, 035	4,485,775	6, 114, 340
Grenville	61	2,599	10,024,777	1,957,843	30, 374, 108	57, 480, 710
Guy	182	4,359	12,628,369	732, 252	22, 830, 183	47, 262, 524

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1958 — Continued

	Census divisions, 1936 — Continued								
County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments			
	nun	nber		dol	lars				
Ontario Concluded:									
Haldimand	54	1,872	5,601,719	865,746	17, 433, 487	32,091,336			
Haliburton	21	266	734, 751	35,752	1,074,373	2,012,816			
Halton	190	10,572	42,040,652	3,066,827	201, 927, 347	305, 322, 902			
Hastings	233	7,873	26,056,882	4,031,467	47, 121, 350	106, 217, 104			
Huron	138	1,864	5,239,453	590,851	16,325,790	27, 242, 693			
Kent Kent	73 199	2,399	10,547,664	3,335,281	30, 284, 976	56, 269, 053			
Lambton	132	6,868	24,747,596	3,018,623	92, 961, 666	140, 807, 125			
Lanark	128	8,984 2,503	43,833,761	27,414,868	249, 021, 514	443, 506, 315			
Leeds	103	4, 193	15, 402, 161	622,200	15,623,247 48,194,219	32,318,292			
Lennox and Addington	52	1,407	5, 296, 072	1,274,764	11, 544, 541	84,981,256 20,289,765			
Lincoln	220	14,457	59,900,776	4,639,153	102, 971, 079	218, 204, 343			
Manitoulin	24	84	198, 148	36,130	737, 705	1, 117, 971			
Middlesex	405	19,524	71,523,068	3,808,258	159,828,358	312,097,989			
Muskoka	79	893	2,502,383	229,298	5,515,563	9,687,746			
Nipissing	80	2,303	8,600,305	1,230,436	14,042,872	30,628,470			
Norfolk	94	2,260	7,693,096	771,187	52, 282, 695	68, 229, 317			
Northumberland	117	1,869	5,825,758	484,046	16,799,365	33, 148, 736			
Ontario	209	18,670	83,026,592	3,884,426	335, 339, 170	541,233,995			
Oxford	188	6,910	23, 298, 097	4,694,615	81, 147, 380	134, 177, 299			
Parry Sound	76	995	3, 152, 719	375,649	6,342,276	14,083,500			
Peel	174	22,537	102,172,761	11,009,109	193, 172, 951	402,032,927			
Perth	161	5, 133	17,019,240	2,651,823	43,605,955	79,256,428			
Peterborough	143	9,719	49, 135, 741	1,615,263	76,050,113	151,846,465			
Prescott	79	1,171	3,812,343	1,132,094	8,892,209	17, 193, 954			
Prince Edward	54	732	1,804,020	622,337	5,650,053	10,029,152			
Rainy River	43	978	4,115,911	1, 278, 519	9, 280, 156	18,946,721			
Renfrew	175	4,114	12,563,170	1,219,734	22,030,738	45, 382, 636			
Simcoe	271	7,787	481, 224 24, 668, 775	122,930 1,424,583	4,616,082 50,991,361	5,599,885			
Stormont	88	6,392	24,485,304	5,678,801	41,251,212	98, 889, 965 93, 163, 392			
Sudbury	128	9, 228	42, 987, 677	13, 781, 082	93,791,300	274, 558, 026			
Thunder Bay	208	8,335	35, 050, 008	10,995,226	92, 496, 484	184,656,905			
Timiskaming	86	1,169	3,759,549	333,917	6,730,508	13,657,331			
Victoria	78	1,787	5,394,573	473,444	9,041,340	20,920,940			
Waterloo	535	31,215	108,505,844	5, 459, 712	225,961,797	453, 171, 490			
Welland	313	22,222	97,435,838	20,548,717	312,609,980	541,476,833			
Wellington	230	8,560	30, 489, 201	2,241,298	59, 367, 434	117, 990, 448			
Wentworth	660	52,856	228, 599, 780	25,676,375	471,241,157	977, 490, 013			
Y ork	4,905	208, 132	821, 643, 381	36,820,896	1,624,280,444	3,166,088,242			
Totals	13, 276	606, 362	2, 412, 654, 652	241, 899, 519	5, 704, 319, 497	10, 864, 028, 332			
Manitoba:									
Division No. 1	61	360	671,558	88,076	2, 126, 072	3,631,732			
Division No. 2	39	383	941,019	163,827	3,658,563	5,370,798			
Division No. 3	29	99	225,575	39,126	1,290,971	1,715,707			
Division No. 4	10	70	208,482	21,613	624, 941	1,003,951			
Division No. 5	73	3,237	12,372,500	2,568,387	40, 157, 762	78,656,568			
Division No. 6	969	32,095	107, 592, 853	7,516,143	302,580,462	510,808,526			
Division No. 7	65	1,007	3, 472, 124	431, 336	13,504,153	21,909,718			
Division No. 8	17	85	218, 237	29,640	1,299,963	1,742,476			
Division No. 9	88	3,783	13,497,138	970, 187	20, 116, 740	49,016,259			
Division No. 10	22	136	396,912	109,472	1,271,507	2,256,609			
Division No. 11	23	79	175, 231	29,227	1,288,631	1,666,843			
Division No. 12	38	116	229,730	50,474	1,533,216	2,004,647			
Division No. 13	40	169	361,897	59,384 25,187	1,607,124 1,320,096	2,400,530 1,765,859			
Division No. 14	48 112	128 635	185, 221 2, 311, 008	807, 286	5,072,971	10, 101, 100			
Division No. 15 and 16	1 634	42,382	142, 859, 485	12, 909, 365	397, 453, 172	694, 051, 323			
104415	1 004	20,000	12% 000 1200	14,000,000	00112001118	001,001,000			

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1958 — Concluded

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		dol	llars	_
Saskatchewan:						
Division No. 1	22	132	418,359	68,814	1,061,527	1,829,633
Division No. 2	12	104	307,961	55,424	1,924,321	3,042,854
Division No. 3	10	26	76,336	8,014	127,491	271,418
Division No. 4	7	31	69,548	10,547	149,326	268,300
Division No. 5	33	175	435,024	60,917	2,775,848	3,719,137
Division No. 6	162	3,709	14, 101, 199	3,060,848	58,243,489	109, 279, 799
Division No. 7	48	1,371	5, 170, 196	1,013,417	32,621,732	47,745,96
Division No. 8	24	240	797, 163	100,496	3,015,593	4,521,599
Division No. 9	89	399	967,683	211,176	3,866,234	6,402,15
Division No. 10	18	69	159,547	27,713	1,201,705	1,556,714
Division No. 11	140	3,290	12,359,916	1,277,280	55, 164, 086	84,924,123
Division No. 12	8	33	75,323	10,769	268,770	415,687
Division No. 14	176	534	894, 991	142,348	3,432,696	5,476,621
Division No. 15	78	1,034	3,565,119	304,005	14, 985, 578	23,099,405
Division No. 16	58	277	613,725	81,496	2,427,115	3,747,770
Division No. 17	42	138	284,818	33,797	1,068,595	1,676,44
Division No. 18 and 13	43	721	2,931,484	2,478,065	16,499,868	33,320,815
Totals	970	12,283	43, 228, 392	8, 945, 126	198, 833, 974	331, 298, 441
Alberta:						
Division No. 1	53	1,817	6,310,945	647,387	18,530,802	34,006,814
Division No. 2	89	1,934	6,082,014	700,732	20, 977, 313	40, 479, 863
Division No. 3	37	366	1,050,063	159, 542	3,738,413	6,476,406
Division No. 4	6	26	67, 075	7,383	206, 720	316,411
Division No. 5	29	145	382,640	43,370	669, 231	1,268,723
Division No. 6	427	11,758	46, 133, 482	3,888,292	150, 890, 504	250, 744, 626
Division No. 7	32	222	814,688	134,870	4,061,010	6,689,390
Division No. 8	127	792	2,261,844	322,357	10, 027, 985	15,671,19
Division No. 9	33	430	1,526,897	776,389	2,484,408	5,927,832
Division No. 10	77	622	2, 269, 606	676,753	9,883,576	16,284,486
Division No. 11	522	16,776	64,233,230	7,349,653	247, 256, 066	424,403,413
Division No. 12	48	199	463,911	76,291	2, 287, 984	3, 189, 815
Division No. 13	96	552	1,400,219	193, 914	5,453,773	8,811,810
Division No. 14	86	1,146	4,278,400	1,359,394	11, 161, 923	20, 184, 284
Division No. 15	100	1,075	2,860,165	369,354	7,682,139	13,796,932
Totals	1, 762	37,860	140, 135, 179	16, 705, 681	495, 311, 847	848, 251, 994
British Columbia:						
Division No. 1	127	1,631	5 427 646	1 050 220	19 170 055	00 050 050
Division No. 2	162	5, 952	5,437,646	1,050,329	13, 179, 255	22,956,656
Division No. 3	297	3,879	11,888,723	4,404,184 1,000,597	63,629,472	114,091,184
Division No. 4	. 1, 928	56,570	231, 468, 441	17, 873, 561	22, 418, 431	43,483,501
Division No. 5	401	14,457	62, 530, 988	9,369,056	578, 441, 278 116, 854, 128	1, 043, 262, 668 245, 955, 091
Division No. 6	276	3, 282	10,752,927	1,309,697	26, 284, 979	47,309,972
Division No. 7	29	2,807	15, 367, 458	3, 127, 631	20, 766, 555	
Division No. 8	703	6,387	19, 929, 675	2,049,605	50, 280, 041	69,688,764
Division No. 9	57	4,555	22, 088, 498	9, 812, 995	63, 950, 450	86,925,161 110,698,999
Division No. 10	92	702	2,438,560	559, 326	10, 135, 037	14, 588, 463
Totals	4,072	100,222	406, 628, 209	50, 556, 981	965, 939, 626	1,798,960,459
Yukon and Northwest Territories:						
Totals	16	145	678, 157	376, 199	2, 740, 184	3,979,489

APPENDIX I

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1958

MONTREAL METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	her		dol	lars	
Foods and beverages: Bread and other bakery products Biscuits Butter and cheese Confectionery Dairy products other Feeds stock and poultry, prepared Fruit and vesetable preparations	185 8 11 44 3 13	5,334 2,415 1,738 2,548 192 621	16, 312, 848 6, 207, 267 6, 390, 383 7, 379, 605 643, 936 2, 297, 467	1,517,166 434,589 626,709 380,973 71,526 220,136	24, 367, 237 15, 332, 011 22, 059, 832 22, 219, 157 2, 032, 703 27, 122, 989 10, 053, 534	50,820,441 31,692,391 34,317,190 42,940,926 3,516,658 34,753,774
Miscallaneous food preparations Sausage and sausage casings Slaughtering and meat packing Carbonated beverages All other industries ¹	13 31 17 60 16 27 26	995 642 2,622 192 3,815 1,146 6,861	2, 297, 467 2, 288, 279 2, 467, 348 9, 295, 854 525, 442 14, 560, 628 4, 458, 329 29, 406, 423	201, 738 248, 908 597, 963 59, 757 937, 456 479, 249 2, 700, 989	14, 065, 883 66, 408, 596 2, 338, 752 137, 955, 231 8, 142, 840 122, 735, 465	16,478,152 18,666,113 106,086,843 3,305,174 170,018,498 33,573,813 225,964,482
Totals	466	29, 121	102, 233, 809	8, 477, 159	474, 854, 230	772, 134, 455
Tobacco and tobacco products: Totals	11	5, 580	21, 678, 181	312,488	69, 525, 090	122, 940, 552
Rubber products:						
Totals	17	2,106	8, 396, 970	389, 359	9, 299, 399	20, 428, 940
Leather products: Belting leather Boot and shoe findings leather	6 12 59	81 203	285, 255 590, 079	12,239 24,690 208,866	257, 394 1,007, 808	571, 958 1, 920, 985
Belting leather Boot and shoe findings leather Footwear, leather Gloves and mittens, leather Leather tanning Miscellaneous leather goods Totals	14 4 79	6,062 331 128 1,689 8,494	15, 572, 896 783, 547 414, 116 3, 879, 535 21, 525, 428	10, 688 29, 933 62, 086 348, 502	21, 566, 641 1, 204, 669 614, 410 5, 270, 539 29, 921, 461	44, 911, 962 2, 593, 942 1, 281, 797 11, 567, 740 62, 848, 384
	***	0, 101	w1,000, 100	010,002	20,041,101	04,010,001
Textiles: Awnings tents and sails Bags, cotton and jute Cotton yarns and cloth Dyeing and finishing of textiles Embroideries, pleating, hemstitching Miscellaneous cotton goods Miscellaneous textiles Narrow fabrics Oilcloth and coated fabrics All other industries ² Totals	19 9 5 26 85 6 64 19 22 26	247 348 2, 428 733 1,078 197 2,056 617 1,516 1,942	729, 395 1,066, 916 8,155, 831 2,359, 708 2,625, 701 650, 242 6,261, 435 1,840, 196 6,017, 812 7,899, 074 37,606, 310	42, 761 33, 325 392, 982 302, 451 57, 359 66, 065 219, 287 67, 479 350, 008 123, 712 1, 655, 429	1, 195, 540 6, 826, 951 7, 539, 574 1, 339, 681 2, 042, 175 1, 846, 252 13, 862, 621 3, 183, 917 11, 853, 389 6, 758, 760 56, 448, 860	2,335,513 8,649,144 15,211,457 5,129,197 6,386,030 3,339,534 26,567,836 6,855,179 24,870,454 12,502,404
Clothing: Clothing, children's factory Clothing, contractors, men's Clothing, contractors, womens Clothing, men's factory Clothing, womens factory Corsets Fur goods Hats and caps Miscellaneous clothing Oiled and waterproofed clothing All other industries ³ Totals	123 82 90 246 399 15 215 65 37 5 7	5,534 2,097 1,883 9,946 16,285 823 1,980 1,862 684 254 528	12, 058, 213 4, 855, 716 3, 637, 319 27, 956, 710 43, 361, 073 1, 742, 097 6, 853, 656 4, 981, 243 1, 632, 239 728, 176 1, 701, 186 109, 507, 688	170,903 60,309 40,077 293,156 402,660 18,984 108,490 121,312 28,523 7,892 58,331 1,310,637	26, 767, 760 501, 402 376, 734 63, 082, 429 90, 875, 180 3, 086, 150 22, 500, 453 5, 807, 234 3, 162, 599 1, 533, 898 699, 081 218, 392, 890	47,191,982 6,439,010,790 108,264,025 167,884,903 6,633,388 33,664,835 13,962,585 5,956,307 2,989,745 3,557,538 401,555,116
Knitting mills: Hosiery Other knitted goods Totals	37 62 99	1,797 3,228 5,025	4,557,180 7,535,561 12,092,741	133, 007 117, 604 250, 611	6, 370, 348 16, 812, 575 23, 182, 923	14,532,331 28,356,610 42,888,941
Wood products: Boxes and baskets, wood Furniture Miscellaneous wood products Sash, door and planing mills Woodenware All other industries* Totals	7 292 21 61 3 14 398	290 6, 405 283 838 28 909 8, 753	763, 352 19, 789, 935 1, 196, 991 2, 838, 646 69, 164 2, 735, 262 27, 393, 350	49, 014 668, 906 42, 938 178, 362 2, 762 97, 298 1, 039, 280	1,003,320 31,284,476 1,304,547 6,561,765 100,930 4,293,612 44,548,650	2,306,162 63,936,731 2,465,538 11,395,919 222,202 9,556,381 89,882,933

¹ See footnotes at end of table.

MONTREAL METROPOLITAN AREA - Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		dol	llars	
Paper products:	40	2 754	12 100 217	497 100	26 255 440	50 000 000
Boxes and bags, paper Miscellaneous paper goods	40	3,754 1,060	13, 109, 317 3, 401, 776	487, 190 122, 721	36, 255, 448 10, 209, 827	58, 892, 320 17, 517, 361
All other Industries ⁵	8	2,525	14, 353, 119	585, 374	8, 867, 494	19, 278, 058
Totals	88	7, 339	30, 864, 212	1, 195, 285	55, 332, 769	95, 687, 739
Printing, publishing and allied Industries:						
Engraving, stereotyping and electrotyping	39	964	4,668,032	84,372	1,603,343	8, 363, 426
Lithographing	16 358	622 5,846	2,849,208 22,075,612	68, 634 466, 605	3, 899, 772 20, 285, 235	8,905,442 54,699,189
Printing and bookbinding Printing and publishing Publishing (only) of periodicals	25	4,628	22, 333, 395	280, 267	18,048,072	60, 112, 353
Publishing (only) of periodicals Trade composition	283 11	2,635 373	9, 513, 961 1, 580, 069	20 205	15,321,177	39, 394, 637
Totals	732	15, 068	63, 020, 277	22, 365 922, 243	220, 681 59, 378, 280	2,642,355 174,117,402
	10~	10,000	03, 020, 211	344, 443	33, 310, 400	114,111,402
Iron and steel products: Boilers tanks and platework	18	1,743	6,674,413	282,707	14 115 057	27, 153, 044
Bridge building and structural steel	11	4.602	21, 279, 401	550, 121	14, 115, 857 28, 196, 812	62, 716, 469
Bridge building and structural steel Castings fron Hardware, tools and cutlery Heating and cooking apparatus Machine shops	6 67	1,898	8, 190, 951	473,742	11,017,314	25, 118, 741
Heating and cooking apparatus	15	2,093 990	7,524,279	328,677 169,585	9, 110, 430 7, 561, 506	24, 260, 685
Machine shops	69	987	3,805,467 3,869,203	169,585 129,575	7,561,506 3,226,784 3,466,923 28,045,117	15, 749, 297 8, 265, 144 7, 283, 839 61, 313, 122
Machinery, household office and store Machinery, industrial	15 38	723 5,051	2, 482, 661 20, 399, 267	74, 918 578, 615	3, 466, 923	7, 283, 839
Miscellaneous iron and steel products	71	1,199	4, 361, 605	155, 234	6, 648, 472	12, 884, 798
Primary iron and steel	5 76	2,035	9,137,879	1, 193, 091	13, 939, 853	38, 204, 464
Sheet metal products Wire and wire goods	31	4,022 2,634	16, 648, 828 10, 863, 605	700, 491 570, 215	33, 287, 335 24, 258, 817	69, 784, 710 42, 422, 832
Totals	422	27, 977	115, 237, 559	5, 206, 971	182, 875, 220	395, 157, 145
Transportation equipment:						
Motor vehicle parts	22	353	1,215,876	86, 926	2,173,456	4, 484, 320
Railway rolling stock	6	9,827	38, 356, 733	2,044,073	82, 405, 728	123,623,418
All other industries ⁶	31	16,850	77, 615, 128	1,738,143	84, 537, 634	215, 313, 196
Totals	59	27, 030	117, 187, 737	3, 869, 142	169, 116, 818	343, 420, 934
Non ferrous metal products:						
Aluminum products	13 69	1,088 1,222	6, 426, 065 3, 403, 301	45,954 43,501	1,792,605 4,721,787	3,112,453
Jewellery and silvérware White metal alloys	16	407	1, 565, 247	132, 421	5, 887, 148	10, 255, 548 8, 518, 829
All other industries	42	3,636	15,021,634	2,105,025	173, 557, 145	203, 946, 350
Totals	140	6, 353	26, 416, 247	2, 326, 901	185, 958, 685	225, 833, 180
Electrical apparatus and supplies:						
Machinery, heavy electrical	39	964	4, 053, 176	79,661	4, 457, 740	9, 403, 744
Refrigerators, vacuum cleaners and appliances	10	10,898 1,385	46,354,070 5,781,402	1,005,352 365,753	51,649,849 10,893,085	129, 565, 182 '23, 447, 157
Telecommunication equipment	23	5, 271	24, 112, 411	242, 766	25, 838, 871	50,137,987
Totals	81	18, 518	80, 301, 059	1,693,532	92, 839, 545	212, 554, 070
Non-metallic mineral products:						
Concrete products Glass and glass products	41	1,664	6, 532, 053	901,557	12,514,690	25, 331, 547
Miscellaneous non-metallic mineral products	27 11	2,773 149	10, 510, 732 590, 999	2,049,064 74,917	9,625,301 870,041	27, 582, 497
Miscellaneous non-metallic mineral products Stone products All other industries	10	131	474, 899	33,374	533, 160	1,764,216 1,322,902
Totals	12 101	1,709	7, 354, 693	5,051,587	10, 082, 799	38, 262, 745
	101	6, 426	25, 463, 376	8, 110, 499	33, 625, 991	94, 263, 907
Products petroleum and coal ⁹ :						
Totals	11	3, 468	17, 836, 947	16, 997, 438	286, 753, 313	481, 018, 409
Chemicals and allied products:						
Acids, alkalies and salt Adhesives	7	1,227	6, 802, 962 578, 799	1,323,240 52,763	14,827,510	26, 811, 421
Gases compressed	9 7	271	578, 799 1, 040, 690	52, 763 151, 472	1,846,061 632,007	3, 439, 397 5, 035, 992
Inks Medicinal and pharmaceutical preparations	10	220	791, 716	34,536	1,897,776	4,591,798
Miscellaneous chemical products	66 51	3,459 1,182	12, 879, 946 5, 905, 150	391, 986 148, 292	17, 909, 816 5, 028, 275	60,637,745 10,864,759
Paints, varnishes & lacquers	31	2,236	5, 905, 150 9, 217, 788 574, 885	236, 203	19, 815, 571 1, 926, 131	40, 089, 772
Polishes and dressings	10 4	131 581	574, 885 3, 075, 568	35, 844 120, 665	1, 926, 131 6, 036, 183	3, 474, 951 8, 100, 160
Contract to the contract to th	2	001		120,000	0,030,103	0,100,100
Soaps, washing compounds and cleaning prepara-						
tions	35 31	510	1,681,610	131,552	4, 476, 500	9,591,527
tions Tollet preparations All other industries ¹⁰	35 31 6	510 847 462	1,681,610 2,822,276 2,464,709	131, 552 47, 867 172, 365	4, 476, 500 6, 304, 759 8, 771, 396	9,591,527 19,545,944 11,217,420

MONTREAL METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
Miscellaneous manufacturing industries:			671 760			2 073 453
Miscellaneous manufacturing industries: Artificial flowers and feathers Brooms, brushes and mops	25 22	309 357	671,760 826,303	14,600 25,068	955,691 1,550,164	2,073,453 3,054,828
Buttons, buckles and fasteners Candles Clocks, watches and watch cases	29 7 17 3	845 89 131 29	2, 133, 812 234, 408 434, 516	63,121 16,588 8,972	3,304,806 445,191 1,419,890	6,937,227 1,042,524 2,292,642
Hair goods Instruments and related products Lamps, electric, and lampshades	19 36	1,573 553	57,304 6,869,432 1,326,367	1,117 93,742 41,237	145,750 10,110,484 3,259,587	219, 743 19, 112, 416 5, 835, 350
Models and patterns (excluding paper) Ophthalmic goods Orthopaedic and surgical appliances	11 6 5	65 73 28	249,150 197,047 111,793	7,319 7,716 2,332	68, 082 204, 685 59, 439	397, 347 482, 844 273, 063
Other miscellaneous industries Pipes, lighters and smokers' supplies Plastic products	40	359 27 885	1,055,560 68,656 2,630,767	38,310 4,965 147,822	1,737,838 80,432 7,575,126	4, 189, 364 184, 996 15, 794, 548
Signs, electric, neon and other Sporting goods Stamps and stencils rubber and metal	49 10 12	643 165 134	2,311,351 337,885 506,608	105,777 9,752 15,795	1,564,701 583,957 305,283	5,527,809 1,058,908 1,096,647
Statuary art goods and regalia Toys and games All other industries ¹¹	26 11 16	242 521 763	605,841 1,345,891 2,089,075	25,633 77,596 117,537	486,812 2,512,878 3,095,190	1,321,540 5,092,917 7,659,144
Totals	356	7, 791	24, 063, 526	824, 999	39, 465, 986	83, 647, 310
Grand totals, Metropolitan Montreal	356 4, 970	7, 791 243, 352	24, 063, 526 888, 661, 516	57, 777, 260		3, 933, 627, 0

¹ Includes: Animal oils and fats, 1; breakfast foods, 2; breweries, 4; cheese, processed, 3; distilled liquors, 3; flour mills, 3; macaroni and kindred ¹ Includes: Animal oils and fats, 1; breakfast foods, 2; breweries, 4; cheese, processed, 3; distilled liquors, 3; flour mills, 3; macaroni and kindred products, 6; sugar refining, 2; wines, 1.

² Includes: Automobile accessories, fabric, 4; cordage, rope and twine, 1; cotton thread 7; miscellaneous woolen goods, 3; synthetic textiles, 3; woolen cloth, 2; woolen yarn 2.

³ Includes: Cooperage, 2; fur dressing and dyeing, 6; gloves and mittens, fabric, 1; woodturning, 2.

⁴ Includes: Excelsior, 1; flooring, hardwood, 2; lasts, trees and shoe findings, 4; morticians supplies 2; veneers and plywoods, 1.

⁵ Includes: Pulp and paper mills, 3; roofing paper, 5.

⁶ Includes: Aircraft and parts, 20; bicycles and parts, 2; boatbuilding, 3; motor vehicles, 2; shipbuilding, 4.

ⁿ Includes: Batteries, 2.

ⁿ Includes: Abrasive products, 1; asbestos products, 2; clay products from domestic clay, 1; clay products from imported clay, 3; cement, hydraulic, 1; gypsum products, 3; sand-lime brick, 1.

° Includes: Coek and gas products, 1; miscellaneous products of petroleum and coal, 3; petroleum products, 7.

¹¹ Includes: Coal tar distillation, 2; fertilizers, 2; vegetable oils, 2.

¹¹ Includes: Musical Instruments, 3; fountain pens and pencils, 5; ice, artificial, 2; typewriter supplies, 2; umbrellas, 4.

The Following Municipalities are Included in Greater Montreal

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		dol	lars	
Dorval Jacques Cartier L'Abord-à-Plouffe Lachine La Salle	11 28 6 82 48	108 1,406 99 13,025 5,266	354,868 4,722,742 291,422 54,366,494 21,210,755	17, 196 321, 875 12, 717 2, 050, 783 1, 657, 719	746, 509 9, 549, 860 324, 370 87, 060, 986 67, 579, 412	1,461,754 19,449,543 800,855 184,897,434 134,228,731
Laval-des-Rapides Longueuil Montreal City Proper Montreal East Montreal North	12 30 4,121 46 60	146 3,202 173,582 7,219 1,226	401, 225 12, 682, 668 601, 773, 312 33, 453, 676 4, 260, 802	33,893 453,030 21,742,163 22,444,850 198,778	597,130 14,749,864 1,189,356,004 455,033,665 10,019,810	1,390,520 36,197,991 2,266,191,996 694,077,733 16,675,334
Mont-Royal Outremont Pointe-aux-Trembles Pointe-Claire Pont Vlau Ste-Genevieve-de-Pierrefonds	48 62 18 6 11	5,777 1,458 713 44 184 73	22, 815, 306 4, 868, 725 2, 892, 946 133, 864 491, 955 134, 800	696, 162 183, 519 2, 106, 215 8, 894 21, 230 10, 748	68, 495, 399 11, 892, 618 27, 713, 840 254, 933 680, 424 382, 336	119, 152, 452 22, 596, 179 36, 515, 078 478, 906 1, 556, 241 595, 307
SI-Lambert SI-Laurent SI-Michel Verdun Westmount All others	26 95 84 67 35 66	997 18,021 1,321 1,532 1,766 6,187	3,098,034 80,499,764 4,270,795 4,447,387 6,375,390 25,114,586	139,053 2,359,231 346,632 118,414 428,458 2,425,700	5,427,453 103,420,452 7,992,935 6,403,390 9,989,994 43,320,911	11, 364, 622 254, 580, 568 15, 316, 550 14, 077, 058 21, 135, 574 80, 886, 625
Totals	4, 970	243, 352	888, 661, 516	57, 777, 260	2, 120, 992, 095	3, 933, 627, 051

¹ Includes: Anjou; Baie-d'Urfe; Beaconsfield; Cote-St-Luc; Greenfield Park; Hamstead; Le Moyne; Mackayville; Montreal South; Preville; Roxboro; Ste-Anne-de-Believue; St-Leonard-de-Port-Maurice; St-Pierre; Parishes of Asile-St Jean-de-Dieu; Notre-Dame-de-Liesse; St Anne-du-Bout-de-L'Ile Ste-Genevieve; St-Joachim-de-la-Pointe-Claire; St-Joseph-de-la-Kiviere-Des-Prairies; St-Leonard-de-Port-Maurice; St-Raphael-de-L'Ile-Bisard.

TORONTO METROPOLITAN AREA

TORONTO METROPOLITAN AREA							
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments	
	nu	mber		doll	ars		
Foods and beverages: Biscuits Bread and other baking products Breweries Butter and cheese Confectionery Dairy products, other Feeds, stock and poultry, prepared Fruit and vegetable preparations	5 229 5 10 41 5 11 19	1, 405, 6, 617 1, 084 2, 342 3, 528 21 498 1, 728 1, 014	4, 318, 059 21, 875, 134 5, 694, 715 9, 558, 772 10, 357, 366 67, 869 1, 990, 174 7, 327, 538 4, 022, 599	240, 408 1, 826, 536 385, 677 740, 690 624, 507 13, 799 198, 287 338, 239 372, 507	8,645,615 32,342,044 7,296,930 25,574,211 32,096,977 251,671 19,017,917 25,915,983 9,703,654	21,099,704 69,082,922 32,723,931 37,940,874 60,447,649 387,714 26,302,550 45,509,310 15,847,613	
Milk pasturizing Miscellaneous food preparations Sausage and sausage casings Slaughtering and meat packing Carbonated beverages Wines All other industries ¹	65 16 21 19 4 21	2, 228 323 5, 267 1, 132 116 1, 180	8,911,988 990,876 24,364,050 4,809,159 656,863 4,522,273	809, 791 84, 901 1, 622, 044 341, 543 31, 187 409, 382	46,806,221 4,973,384 190,559,689 5,316,200 1,087,848 23,002,312	70,629,939 7,214,377 236,977,415 20,679,005 4,016,542 35,145,510	
Totals	490	28, 483	109, 467, 435	8, 039, 498	432, 590, 656	684, 005, 055	
Tobacco and tobacco products:					1		
Totals	4	551	2, 259, 895	28, 867	4, 858, 328	8, 282, 831	
Rubber goods:		4 000	21 242 222	4 400 000	0.0	00 004 000	
Totals	15	4, 906	21, 042, 069	1, 420, 278	34, 555, 989	80, 274, 037	
Leather products: Footwear, leather Miscellaneous leather goods All other industries ²	33 49 10	1,500 943 697	3, 958, 619 2, 518, 552 2, 610, 947	55, 468 68, 076 183, 323	5,614,860 3,396,285 6,487,464	11, 442, 761 7, 030, 520 10, 209, 786	
Totals	92	3, 140	9, 088, 118	306, 867	15, 498, 609	28, 683, 067	
Textiles: Automobile accessories, fabric Awnings, tents and sails Bags, cotton and jute Dyeing and finishing of textiles Embroidery, pleating, hemstitching, etc. Miscellaneous textiles Miscellaneous woollen goods Narrow fabrics Woollen yarn All other industries ³	6 25 5 12 30 61 11 10 5 20	62 432 111 260 273 1,118 409 157 690 2,120	163, 769 1, 068, 669 349, 088 915, 248 774, 024 3, 500, 875 1, 527, 560 418, 670 1, 795, 336 6, 879, 945	4, 422 45, 257 24, 371 59, 223 19, 118 102, 791 118, 636 14, 232 119, 830 322, 241	343, 981 2, 582, 545 2, 545, 412 441, 413 363, 136 9, 573, 817 3, 164, 944 645, 125 4, 289, 419 12, 024, 908	557, 933 4, 142, 654 3, 209, 020 2, 070, 611 1, 471, 795 15, 781, 015 6, 289, 207 1, 492, 297 7, 542, 729 19, 487, 156	
Totals	185	5, 632	17, 393, 184	830, 121	35, 974, 700	62, 044, 417	
Clothing: Clothing, children's factory Clothing contractors, men's Clothing contractors, women's Clothing, men's factory Clothing, women's factory Clothing, women's factory Corsets Fur goods Hat's and caps Miscellaneous clothing'	27 13 11 112 168 14 141 42 21	1, 027 154 97 6, 354 5, 370 1, 058 1, 169 931 507	2,416,419 389,936 202,961 17,080,581 15,591,106 2,679,177 4,657,061 2,539,113 1,417,570	26,698 7,760 3,169 187,654 149,748 30,054 106,069 48,796 38,089	4, 789, 197 86, 814 65, 945 22, 223, 154 23, 236, 378 3, 656, 755 10, 447, 467 2, 758, 080 1, 595, 947	8,728,324 554,660 311,588 48,481,989 40,036,013 9,178,812 17,547,673 6,483,485 4,100,807	
Totals	549	16, 667	46, 973, 924	598, 037	68, 859, 737	143, 423, 351	
Knitting mills: Hosiery Other knitted goods	14 36	629 1,980	1, 685, 135 5, 222, 787	47, 283 148, 812	2, 248, 750 12, 077, 466	5, 003, 714 20, 176, 087	
Totals	50	2, 609	6, 907, 922	196, 095	14, 326, 216	25, 179, 801	
Wood products: Flooring, hardwood Furniture Miscellaneous wood products Sash, door and planing mills Woodturning All other industries ³	3 320 36 63 6	189 5, 321 504 1, 066 121 632	714, 695 18, 031, 406 1, 953, 975 3, 840, 061 352, 187 1, 961, 138	40, 817 579, 663 56, 109 202, 725 10, 404 90, 253	1,351,042 35,767,254 2,983,272 9,984,342 269,375 2,208,450	2,544,882 66,057,379 6,177,599 16,384,072 772,208 4,895,261	
Totals	445	7, 833	26, 853, 462	979, 971	52, 563, 735	96, 831, 401	

TORONTO METROPOLITAN AREA - Continued

TORONTO METROPOLITAN AREA – Continued								
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments		
	nur	nber		dol	lars			
Paper products: Boxes and bags, paper Miscellaneous paper goods* Pulp and paper mills Totals	55 68 6	4, 716 4, 186 1, 471 10, 373	17, 694, 782 15, 270, 418 9, 174, 663 42, 139, 863	572, 746 588, 158 1, 631, 973 2, 792, 877	45, 783, 828 34, 988, 721 12, 374, 952 93, 147, 501	74, 835, 281 65, 769, 837 23, 173, 406 163, 778, 524		
Printing publishing and allied industries: Engraving, stereotyping and electrotyping Lithographing Printing and bookbinding Printing and publishing Publishing (only) of periodicals Trade composition	54 37 406 43 342 17	1,600 1,738 9,659 7,330 1,305	8, 947, 243 8, 045, 095 39, 860, 935 36, 446, 625 4, 342, 167 2, 768, 676	162,685 152,476 840,907 666,565 — 38,123	3,080,005 11,942,368 42,702,557 28,670,608 9,256,888 338,819	15, 742, 885 24, 576, 577 108, 298, 824 98, 372, 046 19, 218, 853 3, 926, 726		
Totals	899	22, 196	100, 410, 741	1, 860, 756	95, 991, 245	270, 135, 911		
Iron and Steel products: Boilers, tanks and platework Bridge building and structural steel Castings, iron Hardware, tools and cutlery Heating and cooking apparatus Machine shops Machinery, household, office and store Machinery, industrial ⁷ Miscellaneous iron and steel products Sheet metal products Wire and wire goods	19 11 14 123 300 86 26 93 82 106 35	2,558 2,548 1,331 2,882 2,708 931 3,959 8,518 1,987 5,435 718	12, 238, 899 11, 860, 962 5, 180, 734 11, 743, 261 11, 442, 427 3, 747, 719 17, 564, 908 39, 099, 979 7, 656, 314 22, 723, 553 2, 829, 694	569, 748 372, 644 289, 508 514, 347 444, 849 128, 085 311, 644 1, 026, 192 436, 648 1, 030, 159 146, 376	16, 797, 996 17, 404, 023 8, 447, 903 13, 882, 410 20, 336, 976 2, 585, 829 33, 215, 570 62, 807, 918 46, 030, 565 5, 637, 627	35, 857, 137 42, 823, 426 18, 455, 601 36, 528, 411 44, 278, 813 8, 126, 869 76, 788, 773 109, 547, 787 25, 441, 974 91, 010, 442 10, 068, 185		
Totals	625	33, 575	146, 094, 450	5, 270, 200	236, 991, 268	498, 927, 418		
Transportation equipment: Motor vehicle parts All other industries ⁶ Totals	36 24 60	2, 562 7, 138 9, 700	10, 202, 448 32, 450, 002 42, 652, 450	462, 488 573, 161 1, 035, 649	15, 773, 105 30, 540, 809 46, 313, 914	35, 300, 595 63, 137, 624 98, 438, 219		
Non-ferrous metal products: Aluminum products Brass and copper products Jewellery and silverware Miscellaneous non-ferrous metal products White metal alloys	27 34 87 9	1,607 2,509 2,002 791 1,255	6,551,041 10,526,709 6,606,314 3,846,538 4,715,669	386, 237 754, 894 180, 379 204, 845 454, 257	8,565,319 29,317,064 19,783,455 6,126,094 16,594,592	19, 145, 505 49, 110, 961 30, 065, 999 11, 975, 275 25, 486, 687		
Totals	176	8, 164	32, 246, 271	1, 980, 612	80, 386, 524	135, 784, 427		
Electrical apparatus and supplies: Batteries Machinery, heavy electrical Miscellaneous electrical products Refrigerators, vacuum cleaners and appliances Telecommunication equipment	31 66 31 40	787 5,030 5,528 2,278 5,798	3, 298, 404 22, 684, 698 22, 392, 638 9, 230, 234 21, 778, 986	192, 681 423, 348 776, 770 550, 010 516, 272	9, 266, 745 27, 063, 943 42, 041, 406 23, 003, 513 36, 150, 565	15, 967, 504 61, 297, 128 80, 919, 619 44, 528, 698 77, 597, 605		
Totals	172	19, 421	79, 384, 960	2, 459, 081	137, 526, 172	280, 310, 554		
Non-metallic mineral products: Clay products from domestic clay Concrete products Glass and glass products Miscellaneous non-metallic mineral products Sand-lime brick Stone products All other industries9	7 44 35 10 3 16 6	489 1,384 1,457 90 72 465 513	2,089,176 6,013,960 5,908,163 391,681 248,457 2,005,284 2,537,086	800, 744 624, 968 839, 025 29, 038 37, 915 249, 894 125, 628	73,518 12,820,570 5,868,757 1,428,146 129,366 2,215,253 1,148,973	4, 295, 365 26, 721, 812 15, 306, 230 2, 878, 463 5, 163, 279 5, 078, 166		
Totals	121	4, 470	19, 193, 807	2, 707, 212	23, 684, 583	60, 027, 630		
Products of petroleum and coal:10 Totals	14	2, 501	13, 950, 387	160, 082	10, 230, 774	17, 157, 412		

TORONTO METROPOLITAN AREAS - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	number		dollars		
Chemicals and allied products:					1	1
Acids, alkalies and salts	3 11	309 362	1, 775, 583 1, 466, 967	190, 586 221, 355	2, 573, 274 4, 197, 204	4, 643, 012 8, 272, 710
Fertilizers	3	74	331, 147	29, 057	2, 984, 366	4, 320, 010
Gases, compressed	6	485	2, 215, 934	104, 592	754, 689	4, 002, 913
Inks Medicinal and pharmaceutical preparations	19	717	2, 965, 627	106, 733	5, 155, 755	11, 151, 307
Miscellaneous chemical products	48 66	2,020 950	7, 177, 331 3, 881, 885	198, 906 368, 485	10, 628, 146 13, 532, 296	38, 435, 122
Paints, varnishes and lacquers	41	2, 231	9, 379, 360	417, 080	29, 362, 691	25, 298, 724 58, 921, 318
Polishes and dressings	16	277	1, 104, 663	59, 911	3, 374, 796	7, 327, 914
Primary plastics	7	194	909, 358	118, 262	5, 477, 360	8, 236, 309
Soaps, washing compounds and cleaning prepara- tions	37	2, 239	10 104 220	051 700	00 070 104	=======================================
Toilet preparations	31	967	10, 184, 339 2, 952, 975	851,506 64,729	29, 379, 184 6, 581, 921	70, 668, 406 19, 666, 368
All other industries 11	5	475	2, 166, 545	952, 268	32, 255, 766	39, 694, 330
Totals	293	11,300	46, 511, 714	3, 683, 470	146, 257, 448	300, 638, 443
Miscellaneous manufacturing industries:						
Artificial flowers and feathers	11	121	275, 735	8, 450	214 240	707 001
Brooms, brushes and mops	13	377	1, 087, 907	19,602	214, 349	797, 831 3, 603, 305
Buttons, buckles and fasteners	4	55	150, 991	5, 435	197, 320	429, 009
Clocks, watches and watch cases	· 13	307	1,062,079	15,335	4, 281, 627	7, 360, 256
Fountain pens and pencils	6	412 103	1, 447, 370	30,756	1,662,392	4,601,072
Ice artifical	5	98	324, 004 326, 702	32, 913 74, 648	510, 988	1, 044, 033
Instruments and related products	35	3,876	17, 722, 977	462, 971	60, 417	802, 401 54, 352, 301
Lamps, electric, and lamp shades	20	524	1,376,822	47, 942	2, 586, 533	5, 675, 204
Models and patterns (excluding paper)	22	173	836, 929	23, 714	368, 860	1, 497, 471
Musical instruments Ophthalmic goods	8 6	500	1, 750, 147	60, 295	1, 892, 216	5, 069, 313
Orthopaedic and surgical appliances	9	461 163	1, 498, 046 460, 514	24, 962 11, 925	941, 688 418, 757	1, 977, 391
Other miscellaneous industries	14	420	1, 245, 332	63, 056	2, 211, 314	1,315,566 5,907,602
Plastic products	52	1, 109	3, 395, 658	131, 067	6, 655, 086	12, 870, 136
Signs, electric, neon and other	75	864	3, 121, 341	134, 935	3, 441, 135	8, 476, 716
Sporting goods Stamps and stencils, rubber and metal	17 18	724 306	2, 512, 919	64, 215	2, 967, 592	9, 305, 776
Stationary, art goods and regalia	28	316	1, 176, 181 865, 416	33, 054 26, 035	549, 122 866, 737	2, 106, 167
Toys and games	32	1, 396	3,637,656	129, 980	6, 605, 266	2, 152, 175 14, 118, 776
Typewriter supplies	5	318	1,065,435	34, 145	2, 336, 508	4, 807, 327
All other industries 12	7	109	376,569	13,333	790, 088	1,760,106
Totals	406	12, 732	45, 716, 730	1, 448, 768	64, 210, 624	150, 029, 934
Grand totals, Metropolitan Toronto	4, 725	204, 253	808, 287, 382	35, 798, 441	1, 593, 968, 023	3, 103, 952, 432

1 Includes: Animal oils and fats, 4; breakfast foods, 2; cheese, processed, 3; distilled liquors, 4; feed mills, 2; flour mills, 1; macaroni and

Includes: Animal oils and fats, 4; breaktast foods, 2; cneese, processed, 3; distined inquors, 4, need minis, 2; float minis, 1, macalon and kindred products, 5.

Includes: Belting, leather, 2; boot and shoe findings, leather, 1; leather gloves and mittens, 3; leather tanning, 3.

Includes: Carpets, mats and rugs, 3; cordage, rope and twine, 2; cotton yarns, 2; linoleum and coated fabrics, 3; miscellaneous cotton goods, 4; synthetic textiles and silk, 1; woollen cloth, 1.

Includes: Oiled and waterproofed clothing, 1; fur dressing and dyeing, 1.

Includes: Beekeepers' and poultrymens' supplies, 1; boxes and baskets of wood, 8; excelsiors, 2; mortician's supplies, 2; sawmills, 1; wooden-

** Includes: Beekeepers and patterns.

** Includes: Roofing paper, 6.

** Includes: Agricultural implements, 1; machine tools, 2.

** Includes: Agricultural implements, 1; machine tools, 2.

** Includes: Agricultural implements, 13; bicycles and parts, 2; boatbuilding, 3; miscellaneous transportation equipment, 2; railway rolling stock, 2; shipbuilding, 2; Head offices, 1;

** Includes: Ansaive products, 1; asbestos products, 1; clay products from imported clay, 4; head offices, 2.

** Includes: Miscellaneous products of petroleum and coal, 7; petroleum products, 7.

** Includes: Coal tar distillation, 2; vegetable oils, 3.

** Includes: Candles, 1; pipes, lighters and smoker's supplies, 5; umbrellas, 1.

The Following Municipalities are Included in Greater Toronto

Number Color City Proper			
Toronto (city Proper) 3,185 123,789 479,767,394 20,855,472 Etoblocke Township 336 14,811 59,794,161 3,037,283 Forest Hill 10 43 130,017 14,011 Leaside 46 7,586 31,066,216 975,045 Long Branch 22 978 3,850,717 211,740 Mimico 22 978 3,081,645 266,409 New Toronto 43 7,372 33,694,221 2,349,025 Scarboro Township 301 12,077 48,413,679 2,685,312 Swansea 16 12,077 48,413,679 2,685,312 301 12,077 48,413,679 2,685,312 301 12,077 48,413,679 2,685,312 301 12,077 48,413,679 2,685,312 301 12,077 48,413,679 2,685,312 301 12,077 48,413,679 2,685,312 301 3	Municipality	lish- Employees Salaries fuel and of mater	
Forest Hill 10 43 130,017 14,011 Leastide 46 7,586 31,066,216 975,045 Long Branch 22 978 3,850,717 211,740 Mimico 37 864 3,081,645 266,409 New Toronto 43 7,372 33,694,221 2,349,025 Scarboro Township 301 12,077 49,413,679 2,685,312 Swansea 36 202,000 12,0		number dollars	
Totals	orest Hill asside ong Branch mico w Toronto arboro Township zansea sston rik Township st York Township rth York Township	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	434 241, 411, 603 397, 866 178 106, 448, 526 441 1, 535, 099 378 177, 033, 340 605 181, 112, 791 039 14, 461, 918 178 27, 599, 898 397 169, 620, 159 945 71, 227, 347 988 257, 504, 143

Note: Revised figures since first published.

HAMILTON METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	חנומ	ber		doll	ollars	
Foods and beverages: Bread and other bakery products Confectionery Feed mills Feeds, stock and poultry, prepared Fruit and vegetable preparations Milk pasteurizing Carbonated beverages All other industries ¹ Totals	55 8 5 16 9 7 28	1,406 334 11 15 1,317 681 158 1,509 5,431	4,201,202 870,532 34,503 37,200 3,431,733 2,897,311 572,797 5,425,756	378, 388 49, 905 5, 291 6, 607 214, 972 240, 575 64, 219 424, 906 1, 384, 863	4,397,112 1,846,721 279,315 256,234 10,464,928 6,210,959 828,206 41,616,990 65,900,465	10, 218, 124 5, 124, 248 356, 614 312, 054 15, 392, 289 10, 432, 970 2, 696, 107 58, 329, 207 102, 861, 613
Leather products: Totals	7	355	823,294	20, 914	1,443,889	2,598,510
Textiles: Awnings, tents and sails Cotton yarn and cloth Miscellaneous textiles All other industries ² Totals	5 5 3 11 24	72 1,719 52 617 2,460	196, 952 4, 811, 870 89, 200 2, 013, 190 7, 111, 212	5,113 335,119 991 133,460 474,683	176, 632 6, 528, 056 53, 583 3, 853, 391 10, 611, 662	488,796 14,948,368 433,688 8,166,540 24,037,392
Clothing: Clothing, men's factory Fur goods Hats and caps All other industries ³ Totals	7 3 3 3 16	669 16 33 38 756	1,680,010 51,241 82,883 68,613 1,882,747	24,657 1,094 1,588 843 28,182	2,248,213 68,343 55,902 125,016 2,497,474	4,517,077 176,046 155,919 225,087 5,074,129
Knitting mills:4 Totals	6	. 727	1,825,461	56, 883	2,676,956	5, 481, 185
Wood Products: Boxes and baskets, wood Furniture Sash, door and planing mills All other industries ⁵ Totals	4 33 13 8 58	96 221 425 148 890	255, 561 844, 316 1, 513, 758 422, 716 3, 036, 351	12, 816 27, 661 102, 801 31, 805 175, 983	328, 326 616, 891 2, 352, 765 633, 596 3, 931, 578	796,444 1,711,771 4,919,926 1,417,060 8,845,201
Paper products: Boxes and bags, paper Miscellaneous paper goods ⁶ Totals	14 7 21	1,089 685 1,774	4,322,121 2,605,086 6,927,207	178, 385 131, 884 310, 269	13, 297, 909 7, 453, 324 20, 751, 233	22,076,803 11,873,081 33,949,884
Printing, publishing and allied industries: Engraving, stereotyping and electrotyping Printing and bookbinding Publishing (only) periodicals All other industries' Totals	8 57 20 11 96	172 443 229 771 1,615	1,007,957 1,737,547 134,627 3,319,560 6,199,691	16,006 42,596 65,038 123,640	253,853 1,720,379 277,712 3,081,871 5,333,815	1,633,721 4,472,874 490,107 10,280,322 16,877,024
Iron and Steel products: Castings, iron Hardware, tools and cutlery Machine shops Machinery, industrial Miscellaneous iron and steel products Sheet metal products Wire and wire goods All other industries ⁸ Totals	8 23 19 14 15 27 17 21	507 663 179 1,197 209 1,997 2,581 14,831 22,164	2, 135, 418 2, 556, 305 815, 189 5, 332, 343 9, 117, 321 12, 154, 032 76, 185, 379 109, 178, 790	173, 873 94, 008 30, 243 243, 803 54, 659 401, 073 759, 254 14, 398, 103 16, 155, 016	6, 264, 523 2, 087, 081 948, 512 5, 781, 221 1, 338, 131 15, 815, 506 28, 231, 479 141, 847, 456 202, 313, 909	10,083,847 6,358,106 2,334,970 15,628,244 2,684,172 31,358,412 47,720,882 441,451,084
Non-ferrous metal products: Brass and copper products Jewellery and silverware All other industries ⁹ Totals	7 6 10 23	388 112 317 817	1,708,666 294,668 1,288,063 3,291,397	113, 171 8, 113 139, 338 260, 622	3,244,374 321,837 2,891,567 6,457,778	6, 107, 745 873, 597 5, 278, 350 12, 259, 692
Electrical apparatus and supplies: Totals	19	7, 689	35, 352, 852	871, 262	35, 147, 151	99, 287, 823

HAMILTON METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		dol	lars	
Non-metallic mineral products; Clay products from domestic clay Concrete products Stone products All other products ¹¹ Totals	5 19 4 16	217 583 120 1,533 2,45 3	822, 246 2, 436, 119 546, 833 6, 049, 891 9, 855, 089	261,994 334,178 52,060 1,104,323	20,763 3,278,357 523,715 6,227,608	2,246,625 8,367,330 1,342,608 18,550,370
	7.2	A, 433	5,000,009	1,752,555	10,050,443	30, 506, 933
Products of petroleum and coal:12						
Totals	6	923	3, 973, 655	2,484,551	25, 566, 799	35,481,305
Chemicals and allied products: Miscellaneous chemical products Polishes and dressings All other products ¹³ Totals	12 5 19 36	306 86 1,163 1,555	1,495,404 295,015 5,831,776 7,622,195	93,416 8,101 724,176 825,693	4,432,758 538,282 28,503,924 33,474,964	8, 172, 917 1, 155, 484 59, 828, 871 69, 157, 272
Miscellaneous manufacturing industries: Brooms, brushes and mops Models and patterns (excluding paper) Plastic products Signs, electric, neon and other Sporting goods Stamps and stencils, rubber and metal All other industries ¹⁴ Totals	6 4 4 15 3 5 12 49	367 13 104 95 20 80 170 849	1, 147, 132 61, 964 260, 574 290, 818 52, 659 310, 435 446, 475 2, 572, 057	29, 419 1, 480 3, 450 16, 421 1, 567 5, 321 30, 677 88, 335	1,479,620 32,762 458,837 229,820 86,058 154,598 1,234,320 3,676,015	3,868,808 138,333 886,541 657,510 173,910 594,356 1,985,126 8,304,584
All other major groups ¹⁵						
Totals	13	3,845	16,465,903	947, 025	51, 914, 790	103, 058, 675
Grand totals, Metropolitan Hamilton	695	54,303	233, 588, 935	25, 959, 576	481, 748, 921	999, 232, 306

¹ Includes: Animal oils and fats, 1; biscuits, 3; breweries, 1; butter and cheese, 3; flour mills, 1; macaroni and kindred products, 1; miscella-

'Includes: Animal oils and fats, 1; biscuits, 3; breweries, 1; butter and cheese, 3; flour mills, 1; macaroni and kindred products, 1; miscellaneous food preparations, 8; sausage and sausage casings, 6; slaughtering and meat packing, 4;

'Includes: Bags, cotton and jute, 1; carpets, mats and rugs, 1; cordage, rope and twine, 1; cotton thread, 1; dyeing and finishing of textiles, 1; embroideries, pleating, hemstitching, etc., 2; miscellaneous woollen goods, 1; narrow fabrics, 1; woollen yarn, 1.

'Includes: Clothing, women's factory, 1; corsets, 1; miscellaneous clothing, 1.

'Includes: Clothing, women's factory, 1; corsets, 1; miscellaneous wood products, 2; mortician's supplies, 2; sawmills, 1.

'Includes: Flooring, hardwood, 1; lasts, trees and shoe findings, 2; miscellaneous wood products, 2; mortician's supplies, 2; sawmills, 1.

'Includes: Flooring, hardwood, 1; lasts, trees and shoe findings, 2; miscellaneous wood products, 2; mortician's supplies, 2; sawmills, 1.

'Includes: Flooring, hardwood, 1; lasts, trees and shoe findings, 2; miscellaneous wood products, 2; mortician's supplies, 2; sawmills, 1.

'Includes: Lithographing, 2; printing and publishing, 7; trade composition, 2.

'Includes: Lithographing, 2; printing and publishing, 7; trade composition, 2.

'Includes: Auminum products, 4; miscellaneous non-ferrous metal products, 1; white metal alloys, 5.

'Includes: Auminum products, 4; miscellaneous non-ferrous metal products, 1; white metal alloys, 5; refrigerators, vacuum cleaners and appliances, 5; telecommunication equipment, 5.

'Includes: Acids, alkalies and salts, 1 coal tar distillation, 2; fertilizers, 1; gases, compressed, 2; medicinal and pharmaceutical preparations, 1; Includes: Acids, alkalies and salts, 1 coal tar distillation, 2; fertilizers, 1; gases, compressed, 2; medicinal and pharmaceutical preparations, 1; Includes: Buttons, buckles and fasteners, 1; ice, artificial, 2; lamps, electric and lamp shades, 1; ophthalmic goods, 2; orthopaedic and surgical appliances, 2; toys and games,

The Following Municipalities are Included in Greater Hamilton

Municipality	Estab- lish- ment	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	nber		dol	lars	
Hamilton (city proper) Burlington Dundas Stoney Creek Waterdon Barton Township Nelson Township All others¹	548 34 37 12 6 14 12 32	50, 269 1, 189 1, 119 251 66 129 356 924	219, 874, 661 4, 193, 633 4, 015, 016 642, 936 177, 245 460, 627 1, 100, 329 3, 124, 488	24,757,682 251,301 196,981 89,172 16,447 72,084 69,201 506,708	452, 298, 965 8, 864, 590 6, 228, 319 2, 162, 465 366, 390 752, 256 4, 159, 592 6, 916, 344	943, 304, 365 18, 144, 090 12, 079, 549 3, 126, 503 765, 507 1, 874, 617 6, 575, 003 13, 362, 672
Totals	695	54,303	233, 588, 935	25, 959, 576	481, 748, 921	999, 232, 306

¹ Burlington Beach, Ancaster Township, Flamborough East Township, Flamborough West Township, Saltfleet Township.

WINDSOR METROPOLITAN AREA

	"INDBOIL	METROPOL	II'AN AREA			
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	nber		doll	-	
Foods and beverages:		1			1	
Bread and other bakery products	25	475	1,417,932	154,749	1,522,830	3,439,397
Confectionery	3	10	20,407	428	33,123	62,558
Fruit and vegetable preparations	5	234	688,954	33,578	2,346,917	2,777,804
Miscellaneous food preparations	5	66	160,183	28,712	370,352	665, 201
Sausage and sausage casings	3	28	80,228	6,564	319,127	464,925
Carbonated beverages	6	84	292,023	36,551	535,682	1,803,983
All other industries ¹	14	2,059	8,629,306	817,374	28,911,603	69, 159, 029
Totals	61	2,956	11, 289, 033	1,077,956	34,039,634	78, 372, 897
Textiles:2			1			
Totals	9	279	1,003,249	33,892	1,910,882	3,396,101
Clothing:3			1		,	
Totals	8	247	600, 293	10,807	858, 025	1,831,327
Wood products:						
Furniture	22	98	329,056	12, 431	947,819	1,523,721
Sash, door and planing mills	12	84	287, 528	20, 248	394,062	787,717
All other industries4	4	32	87,745	6,764	176, 285	361,787
Totals	38	214	704,329	39,443	1,518,166	2,673,225
Printing publishing and allied industries:						
Printing and hookbinding	29	265	968,532	28,299	779,985	2,235,711
Publishing (only) of periodicals	10	5	14,217	-	45,449	69, 123
	7	426	2,109,763	44,557	1,378,303	5, 278, 320
Totals	46	696	3, 092, 512	72,856	2, 203, 737	7, 583, 154
Iron and steel products:			1			
Castings, iron	6	682	2,436,507	217, 280	2,352,886	6,088,873
Hardware, tools and cutlery	37	794	3,592,638	130,059	2,383,319	9,116,040
Machine shops	4	62	229,604	15,393	274,446	469,164
Machine tools	3	43	153,749	6,546	61,053	200,811
Machinery, industrial	8	456	2, 127, 001	57,614	1,898,755	5,519,541
All other industries6	26	2,106	9,811,664	584,407	15, 257, 118	35,225,563
Totals	84	4, 143	18, 351, 163	1,011,299	22, 227, 577	56, 619, 992
Transportation equipment:						
Totals	31	13,061	64,826,264	2, 943, 241	156, 114, 592	254, 780, 898
Non-ferrous metal products:						
Brass and copper products	4	88	345,569	9,292	416,964	1,494,629
All other industries ⁸	6	47	158, 751	5, 185	259,343	484, 184
Totals	10	135	504,320	14,477	676, 307	1, 978, 813
Totals	10	100	304,320	12,211	010,301	1,310,013
Electrical apparatus and supplies:9						
Totals	5	99	402,069	17, 605	686, 394	1, 352, 486
Non-metallic mineral products:						
Concrete products	4	166	690,373	122,246	596,275	1,830,651
All other industries ¹⁰	8	589	2,747,401	527,019	3,754,178	12,833,313
Totals	12	755	3,437,774	649, 265	4, 350, 453	14,663,964

WINDSOR METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		doll	ars	
Chemicals and allied products:						
Medicinal and pharmaceutical preparations	7	354	1,575,165	51,599	2,470,908	9,309,095
Miscellaneous chemical products11	5	39	157,578	8,574	260,048	597,307
Paints, varnishes and lacquers	6	195	802,090	48,569	2,461,439	5, 234, 241
Soaps, washing compounds and cleaning preparations	4	23	67,561	4,673	150,854	275,308
Toilet preparations	3	12	25,000	1,381	25,007	82,000
Totals	25	623	2,627,394	114,796	5,368,256	15, 497, 951
Miscellaneous manufacturing industries: Models and patterns (excluding paper) Signs, electric, neon and other Sporting goods All other industries ¹² Totals	7 7 8 16	144 36 50 197	737, 852 153, 549 180, 979 680, 042 1, 752, 422	18,377 10,488 5,936 61,725 96,526	271,867 76,783 376,780 1,235,217 1,960,647	1,554,412 309,856 586,618 2,980,593 5,431,479
All other major groups: ¹³ Totals	4	93	377,895	14, 791	801,760	1,597,445
Grand totals, Metropolitan Windsor	371	23, 728	108, 968, 717	6, 096, 954	232, 716, 430	445, 779, 732

¹ Includes: Breakfast foods, 1; breweries, 1; butter and cheese, 2; dairy products, other, 1; distilled liquors, 1; milk pasteurizing, 3; slaughtering

Includes: Gass and state of the games, 2.

13 Includes: Miscellaneous leather products, 1; rubber products, 1; boxes and bags, paper, 1; miscellaneous paper goods, 1.

The Following Municipalities are Included in Greater Windsor

Municipality .	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		doll	ars	
Windsor (city proper)	305	22,295	103, 237, 036	5,725,545	220, 362, 294	421,681,449
Riverside	10	137	510,442	40, 257	1,306,570	2, 263, 116
All others'	56	1,296	5,221,239	331, 152	11,047,566	21,835,167
Totals	371	23,728	108, 968, 717	6,096,954	232,716,430	445, 779, 732

¹ Includes: LaSalle, Ojibway, St. Clair Beach, Tecumseh, Sandwich East Township, Sandwich West Township, Sandwich South Township.

Includes: Treakfast foods, 1; breweries, 1; butter and cheese, 2; dairy products, other, 1; distilled liquors, 1; milk pasteurizing, 3; slaughtering and meat packing, 3; stock and poultry feeds, prepared, 2.
Includes: Automobile accessories, fabric, 1; awnings, tents and sales, 4; bags, cotton and jute, 1; narrow fabrics, 1; miscellaneous textiles, 2.
Includes: Clothing, childrens' factory, 1; clothing, men's factory, 2; fur goods, 4; gloves and mittens, fabric, 1.
Includes: Boxes and baskets wood; 1; miscellaneous wood products, 1; sawmills, 1; wood turning, 1.
Includes: Engraving, stereotyping and electrotyping, 1; lithographing, 2; printing and publishing, 2; trade composition, 2.
Includes: Boliers, tanks and platework, 1; fabricated and structural steel, 2; heating and cooking appliances, 2; machinery, household, office and store, 2; miscellaneous iron and steel products, 9; primary iron and steel, 1; sheet metal products, 7; wire and wire goods, 2.
Includes: Motor vehicles, 2; motor vehicles parts, 29.
Includes: Aluminum products, 1; jewellery and silverware, 3; white metal alloys, 2.
Includes: Machinery, heavy electrical, 2; miscellaneous electrical apparatus and supplies, 2; telecommunication equipment, 1.
Includes: Glass and glass products, 3; miscellaneous non-metallic mineral products, 1; salt, 3; stone products, 1.

WINNIPEG METROPOLITAN AREA - Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
		nber		doll		
- · · · · · · · · · · · · · · · · · · ·			1		1	
Foods and beverages:						
Bread and other bakery products	67	1, 282	4,388,650	377,688	5,596,591	12,773,209
Breweries	6	637	2,912,338	197,481	2,802,281	13,354,251
Butter and cheese	9	782	2,680,609	251,628	10,571,593	14,950,029
ConfectioneryFeeds, stock and poultry, prepared	13	362	806,081	33,788	2,005,249	3,480,614
Flour mills	16	179	617,448	93,089	5,927,654	7,776,534
Fruit and vegetable preparations	6 :	479	1,403,554	177, 784	15,902,156	19,427,753
Milk pasteurizing	4	79	228, 238	13, 103	647,659	1, 109, 073
Miscellaneous food preparations	18	160 566	583,582	63,364	2,224,194	3,500,678
Sausage and sausage casings	9		2,051,918	303,046	12,743,680	19,373,544
Slaughtering and meat packing	11	183	627,355	44,426	3,528,935	4,305,779
Carbonated beverages	10	3,045	11,837,547	608,365	97, 246, 278	121,699,598
All other industries ¹		251	902,820	112,369	1,732,465	5,452,899
All other industries-	15	609	1,906,665	288, 110	7,436,738	14,316,223
Totals	187	8,614	30, 946, 805	2,564,241	168, 365, 473	241, 520, 184
Leather products:						
-	_					
Footwear, leather	5	223	541,303	7,724	1,055,337	1,980,708
Gloves and mittens, leather	7	231	505,483	8,025	824, 128	1,576,448
Miscellaneous leather goods ²	8	183	466,061	26,502	829,843	1,544,539
Totals	20	637	1,512,847	42, 251	2,709,308	5, 101, 695
Textiles: Awnings, tents and sails	6	85	206 520	7 140	400.004	000 055
Embroideries, pleating and hemstitching	4	24	206,538	7,149	499,064	823,855
Miscellaneous textiles	11	105	55,752 248,131	613	45,419	139,479
All other industries ³	7	279	805,526	9,567	639,749 4,863,104	1,135,396
and other industries	4	243	000,020	27, 171	4,003,104	6,529,771
Totals	28	493	1, 315, 947	44,500	6,047,336	8,628,501
Clothing and knitting mills:						
Clothing, children's factory	6	326	689,642	8,747	1,094,785	2,518,263
Clothing, men's factory	48	2,707	5,963,869	93,521	13,834,027	23,039,016
Clothing, women's factory	25	1,467	4,008,023	43, 111	7,041,919	13, 283, 889
Fur goods	43	443	1,345,551	24,400	2,341,026	4,097,967
Hats and caps	13	361	738,089	8,308	805,842	2,022,419
All other industries ⁴	6	237	628, 122	15,469	280, 685	1, 215, 102
Totals	141	5,541	13, 373, 296	193,556	25, 398, 284	46, 176, 656
Vood products:			005 850	10 583	400.005	0=0
Boxes and baskets, wood	3	98	295,750	10,576	489,308	873,963
Furniture	101	1,843	5,699,209	212, 232	11,578,459	21, 288, 007
Miscellaneous wood products	7	82	268,750	20,806	407,983	794,425
Sash, door and planing mills	16	374	1, 165, 040	48,838	1,661,729	3,004,362
All other industries ⁵	6	157	452,909	15,900	747,601	1,609,600
Totals	133	2,554	7,881,658	308, 352	14,885,080	27,570,357

WINNIPEG METROPOLITAN AREA - Continued

		VOR OL IN THE	7111011			
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	nber		dol	lars	
Damas mandriator						
Paper products: Boxes and bags paper	10	694	2,060,821	115,097	7, 199, 180	11,471,897
Miscellaneous paper goods	6	198	543,170	18,853	2,487,224	6,016,020
All other industries ⁶	5	285	1, 131, 623	252,698	2,238,749	5, 174, 501
Totals	21	1, 177	3,735,614	386,648	11, 925, 153	22,662,418
Printing publishing and allied industries:						
Engraving, stereotyping and electrotyping	7	170	798,329	11, 169	200, 297	1,270,048
Printing and bookbinding	77	1,325	4,816,670	107,450	4,104,114	12, 139, 859
Printing and publishing	27	1,613	5,784,054	132,611	4,946,087	16,741,737
Publishing (only) periodicals	99	156	369,014	****	922,309	1,645,028
All other industries ⁷	5	144	614,058	8,602	434,270	1,340,329
Totals	215	3,408	12, 382, 125	259, 832	10,607,077	33, 137, 001
Iron and steel products						
Iron and steel products: Agricultural implements	12	398	1,462,860	81,509	3,259,903	5,937,544
Hardware, tools and cutlery	5	50	136,517	6,944	141, 132	365,502
Machine shops	31	301	1, 182, 720	38,545	1, 149, 106	2,794,548
Machinery, industrial	9	407	1,572,757	59,438	1,915,440	4,925,463
Miscellaneous iron and steel products	13	694	2,913,421	114,586	4,474,593	8,816,401
Sheet metal products	30	916	3,349,791	117,900	6,043,842	11,404,164
Wire and wire goods	3	21	59,554	5, 163	62,405	161,077
All other industries ⁸	15	1,579	6,548,243	179,434	11,892,792	22,665,645
Totals	118	4,366	17, 225, 863	603,519	28, 939, 213	57, 070, 344
Transportation equipment:						
Motor vehicle parts	10	296	1,023,469	40,049	1, 190, 974	3,067,715
All other industries9	13	5,995	21,855,749	712,533	21, 216, 651	49,096,264
Totals	23	6, 291	22, 879, 218	752, 582	22, 407, 625	52, 163, 979
Non ferrous metal products:	4	131	460 100	49 660	1,223,798	2, 175, 463
Brass and copper products	4	34	462, 138 86, 276	48,669 1,932	1,223,798	316,836
Jewellery and silverware	5	80	252,689	49,419	1,312,055	1,979,428
Willie lictal alloys						
Totals	13	245	801, 103	100, 020	2,668,070	4,471,727
Electrical apparatus and supplies:						
Miscellaneous electrical apparatus and supplies	9	236	805,177	54,365	2,162,966	3,750,480
All other industries ¹¹	10	714	2,936,872	73, 129	3,875,887	9,536,079
Totals	19	950	3,742,049	127, 494	6,038,853	13, 286, 559
Non-metallic mineral products and products of petro-						
leum and coal:						
Lime	3	10	28,373	14,663	13,277	301,326
Miscellaneous non-metallic mineral products	3	25	105,868	11, 980	120,976	334,291
Stone products	5 23	1,445	269,420 5,442,044	10, 185 2, 728, 431	259, 192 20, 945, 411	591,708 38,781,357
The same in the sa	20	1, 110	0,112,011	2, 720, 301		22, 102, 301
Totals	34	1,542	5,845,705	2,765,259	21,338,856	40,008,682

WINNIPEG METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	her		dol	lars	
Chemicals and allied products:						
Gases, compressed	3	66	275.020	20.492	214.814	1,440,840
Medicinal and pharmaceutical preparations	7	112	332,465	19,204	508, 488	1,863,510
Miscellaneous chemical products	7	104	390, 178	23,399	1, 219, 412	1,809,993
Paints, varnishes and lacquers	5	275	852,914	41,472	3,790,435	6,554,913
Soaps, washing compounds and cleaning prepara-						-,,
tions	6	38	115,579	12,006	563,743	1,386,982
All other industries ¹³	7	56	197, 130	20,379	790,479	1,927,882
Totals	35	651	2, 163, 286	136, 952	7,087,371	14, 984, 120
Miscellaneous manufacturing industries:						
Brooms, brushes and mops	5	118	324,864	10,429	595, 157	1,044,099
nthophedic and surgical appliances	5	15	36,747	2,694	35,802	87,722
Signs, electric, neon and other	11	207	741,538	46,946	513,291	1,885,188
Stamps & stencils (rubber and metal)	5	17	68, 118	414	9,640	99,568
Statuary, art goods and regalia	7	81	155,045	4,452	135, 103	413,693
All other industries14	23	300	868,989	49,827	3,047,314	5,358,506
Totals	56	738	2, 195, 301	114,762	4,336,307	8,888,776
All other major groups:						
Totals	6	107	202, 942	9,578	520,993	886,850
Grand totals, Metropolitan Winnipeg	1,049	37,314	126, 203, 759	8,409,546	333, 274, 999	576, 557, 849

- 1 Includes: Animals oils and fats, 2; biscuits, 3; breakfast foods, 5; feed mills, 2; macaroni and kindred products, 2; sugar refining, 1.

- 1 Includes: Animals oils and fats, 2; biscuits, 0; bleakiase tools, 0; economy, 1; contour and jute bags, 3.
 2 Includes: Leather tanning, 2.
 3 Includes: Automobile accessories, fabric, 2; carpets, mats and rugs, 2; cotton and jute bags, 3.
 4 Includes: Clothing contractors, women's, 1; fur dressing and dyeing, 2; miscellaneous clothing, 3; other knitted goods, 3.
 5 Includes: Excelsior, 1; morticians' supplies, 3; veneers and plywood, 1; woodenware, 1.
 6 Includes: Pulp and paper mills, 2; roofing paper, 3.
 7 Includes: Lithographing, 2; trade composition, 3.
 8 Includes: Boilers, tanks and plate work, 1; castings, iron, 7; fabricated and structural steel, 2; heating and cooking apparatus, 3; machinery, household, office and store, 2.
 8 Includes: Aircraft and parts, 2; boatbuilding, 5; motor vehicles, 2; railway rolling stock, 4.
- 9 Includes: Aircraft and parts, 2; boatbuilding, 5; motor vehicles, 2; railway rolling stock, 4.
 10 Includes: Miscellaneous non-ferrous metal products, 2.
 11 Includes: Batteries, 2; machinery, heavy electrical, 2; refrigerators, vacuum cleaners and appliances, 5; telecommunication equipment, 1.
 12 Includes: Cement, hydraulic, 1; concrete products, 10; glass and glass products, 4; gypsum products, 2; miscellaneous products of petroleum
- **Includes: Cement, hydraulic, 1; concrete products, 10, glass and glass products, 4; gypsum products, 2, miscerianeous products of petroleum and coal, 2; petroleum products, 2,

 13 Includes: Adhesives, 1; inks, 4; toilet preparations, 1; vegetable oils, 1.

 14 Includes: Artificial flowers and feathers, 1; clocks, watches and watch cases, 3; hair goods, 1; ice, artificial, 1; instruments and related products, 2; lamps, electric and lamp shades, 2; modes and patterns excluding paper, 2; opthalmic goods, 1; other miscellaneous industries, 1; plastic products, 6; sporting goods, 1; toys and games, 2.

The Following Municipalities are Included in Greater Winnipeg

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Winnipeg (City proper)	820	25,867	85,034,125	3,683,565	169,747,263	324,232,314
St. Boniface	95	5,093	18,455,210	2,311,969	122,900,966	163, 199, 514
St. James	55	2,692	9,305,894	356,822	14,202,350	35,561,200
Kildonan East Municipality	23	487	1,617,062	191,654	3,845,098	7,503,482
All others ¹	56	3,175	11,791,468	1,865,536	22,579,322	46,061,339
Totals	1,049	37,314	126, 203, 759	8,409,546	333, 274, 999	576, 557, 849

¹ Includes: Brooklands; Transcona; Tuxedo; Charleswood Municipality; Fort Garry Municipality; Kildonan North Municipality; Kildonan West Municipality; Old Kildonan Municipality; St. Vital Municipality.

VANCOUVER METROPOLITAN AREA

Breweries	Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments	
Bread and other bakery products		nur	nber		dol	dollars		
Breweries	Foods and beverages:							
Bitter and cheese	Bread and other bakery products	160	2,014	7,272,809	477,077	8,805,067	20,644,194	
Carbonated beverages	Breweries	3	471	2,151,302	234,896	3,257,966	15,628,509	
Confectionery	Butter and cheese	13	1,343	5,476,231	420,960	15,673,960	24,670,203	
Datip products, other 4 100	Carbonated beverages	8	247	853,701	115,122	1,525,675	5,566,928	
Feeds, stock and poultry, prepared 12	Confectionery	23	252	701,727	56,225	1,770,292	2,981,855	
Fish processing		4	100	474,823	62,657		2,630,815	
Foots breakfast	Feeds, stock and poultry, prepared	12	1			9,807,614	13,031,794	
Fruit and vegetable preparations			1				58,935,923	
Mike pasteurizing 5 6 61 253,101 39,721 2,129,925 2,848 Miscellaneous food preparations 40 771 2,622,277 175,231 34,720,607 45,628 Sausage and sausage casings 11 190 742,372 53,323 2,633,372 3,959 Slaughtering and meat packing 8 1,539 6,185,888 317,593 47,595,74 567,754 All other industries* 12 1,093 4,456,097 718,847 17,940,331 29,5677 Totals 344 10,968 41,211,082 3,500,620 202,276,628 298,477 Leather products: Protwear, leather 7 163 409,454 10,078 837,329 13,91 Gloves and mittens, leather 4 58 161,163 2,299 155,996 1,458 Totals 18 384 1,012,803 28,669 1,646,272 3,221 Textiles: Awnings, tents and sails 8 189 519,739 16,590 1,072,691 1,910 Miscellaneous textiles 7 99 299,355 15,070 444,071 858 All other industries* 19 439 1,336,006 79,805 3,310,657 5,413 Totals 17 1,000 111,465 4,827,419 8,182 Clothing and knitting millis: Clothing, men's factory 20 645 1,793,350 30,840 2,564,806 5,511 Fur goods 15 66 198,264 8,235 171,220 457. All other industries* 7 373 787,695 15,970 895,225 2,668, Totals 61 1,718 4,481,997 94,062 6,342,817 13,833 Wood products: Boxes and baskets, wood 12 71 188,237 9,981 338,792 627 Furniture 153 1,836 6,540,804 210,770 10,5650,410 20,565. Miscellaneous wood products 26 498 2,038,244 142,229 5,048,258 3,601 Mortician's goods 4 70 244,861 6,301 389,627 735 Sash, door and planing millis 58 1,264 5,153,166 65,551 10,385,733 18,401 Sash, door and planing millis 58 1,264 5,153,166 26,551 10,385,733 18,401 Sasmills 9,000 24,163 1,066,688 1,934 Totals 9,071 39,522,889 1,566,556 73,172,620 134,165,800 24,086,801 Weners and planing millis 58 1,264 5,153,166 26,551 10,068,688 1,934 Totals 9,071 39,522,889 1,566,556 73,172,620 134,165,800 24,086,801 Sash, door and planing millis 58 1,264 5,153,166 26,551 10,068,688 1,934 Totals 9,071 39,522,889 1,566,556 73,172,620 134,165,800 24,086,801 Mortician's goods 11 4,170 4,401,496 174,425 14,165,800 24,086,801 Weners and planing millis 58 1,264 5,153,166 266,351 10,088,673 5,100,087,670 10,066,688 1,934,100,097,697 10,066,688 1,934,100,097,6							134,823	
Miscellaneous food preparations	Fruit and vegetable preparations			- 1			15,494,915	
Sausage and sausage casings							2,848,834	
Slaughtering and meat packing 8			i				45,626,195	
All other industries						1	3,959,781	
Totals						I	56,754,816	
Leather products: Footwear, leather	All other industries ¹	12	1,093	4,456,087	718,847	17,940,531	29,567,499	
Footwear, leather 7 168 409,454 10,078 837,329 1,391 Gloves and mittens, leather 4 58 161,163 2,265 155,947 371 All other industries² 7 158 442,186 16,342 652,996 1,458 Totals 8 18 384 1,012,803 28,689 1,646,272 3,221 Textiles: Awnings, tents and sails 8 189 519,739 16,590 1,072,691 1,910 Miscellaneous textiles 7 99 299,355 15,070 444,071 858 All other industries³ 19 439 1,336,006 79,805 3,310,657 5,413 Totals 34 727 2,155,100 111,465 4,827,419 8,182 Clothing and knitting mills: Clothing, men's factory 19 670 1,702,688 39,017 2,711,566 5,164 Clothing, women's factory 20 645 1,793,350 30,840 2,564,806 5,511 Fur goods 15 66 198,264 8,235 171,220 457. All other industries⁴ 7 337 787,695 15,970 895,225 2,689. Totals 61 1,718 4,481,997 94,062 6,342,817 13,833 Wood products: Boxes and baskets, wood 12 71 186,237 9,981 338,792 627 Furniture 153 1,836 6,540,804 210,770 10,560,410 20,505. Miscellaneous wood products 26 498 2,038,244 142,229 5,048,258 3,601. Sash, door and planing mills 58 1,264 5,135,186 266,351 10,335,783 18,401 Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134,168. Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,900. All other industries⁴ 7 142 567,800 24,163 1,003,868 1,934, Totals 333 17,109 70,736,978 3,038,587 130,093,705 240,984. Paper products: Boxes and bags, paper 14 1,170 4,401,496 174,245 14,165,860 24,086, Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960.	Totals	344	10,968	41,211,082	3,500,620	202,276,628	298, 477, 084	
Gloves and mittens, leather	Leather products:							
All other industries ² 7 158 442,186 16,342 652,996 1,458 Totals 18 384 1,012,803 28,689 1,646,272 3,221 Textiles: Awnings, tents and sails 8 189 519,739 16,590 1,072,691 1,910 Miscellaneous textiles 7 99 299,355 15,070 444,071 858 All other industries ³ 19 439 1,336,006 79,805 3,310,657 5,413 Totals 19 670 1,702,688 39,017 2,711,566 5,164 Clothing and knitting mills: Clothing and knitting mills: Clothing, women's factory 19 670 1,702,688 39,017 2,711,566 5,164 Clothing, women's factory 20 645 1,793,350 30,840 2,564,806 5,511 Fur goods 15 66 198,264 8,235 171,220 457 All other industries ⁴ 7 337 787,695 15,970 895,225 2,689, Totals 61 1,718 4,481,997 94,062 6,342,817 13,833 Wood products: Boxes and baskets, wood 12 71 186,237 9,81 338,792 627 Furniture 153 1,836 6,540,804 210,770 10,560,410 20,505, Miscellaneous wood products 26 498 2,038,244 142,229 5,048,258 3,601 Mortican's goods 4 70 244,811 6,301 389,627 735 Sash, door and planing mills 58 1,264 5,153,186 266,351 10,385,783 18,401 Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134,168, Sawmills 77 142 567,800 24,163 1,063,688 1,994, Totals 333, paper 14 1,170 4,401,496 174,245 14,165,860 24,086, Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960,	Footwear, leather	7	163	409,454	10,078	837,329	1,391,138	
Totals		4	58	161,163	2,269	155,947	371,635	
Textiles: Awnings, tents and sails Miscellaneous textiles 7 99 299,355 15,070 444,071 858 All other industries³. 19 439 1,336,006 79,805 3,310,657 5,413 Totals 34 727 2,155,100 111,465 4,827,419 8,182 Clothing and knitting mills: Clothing, men's factory 20 645 1,793,350 30,840 2,564,806 5,511 Fur goods 15 66 198,264 8,235 171,220 457, All other industries⁴ 7 337 787,695 15,970 895,225 2,689, Totals 61 1,718 4,481,997 94,062 6,342,817 13,853 Wood products: Boxes and baskets, wood 12 71 186,237 9,981 338,792 627 Furniture 153 1,836 6,540,804 210,770 10,560,410 20,505, Miscellaneous wood products 26 498 2,038,244 142,229 5,048,258 3,601, Mortician's goods 4 70 244,821 6,301 389,627 735, Sash, door and planing mills 58 1,264 5,135,186 266,351 10,385,783 18,401 Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134, 168, Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 5,980, All other industries³ 7 142 567,800 24,163 1,063,688 1,994, Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964, Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960,	All other industries ²	7	158	442,186	16,342	652,996	1,458,950	
Awnings, tents and sails	Totals	18	384	1,012,803	28,689	1,646,272	3, 221, 723	
Miscellaneous textiles 7 99 299,355 15,070 444,071 858 All other industries³ 19 439 1,336,006 79,805 3,310,657 5,413 Totals 34 727 2,155,100 111,465 4,827,419 8,182 Clothing and knitting mills: 19 670 1,702,688 39,017 2,711,566 5,164 Clothing, women's factory 20 645 1,793,350 30,840 2,564,806 5,511 Fur goods 15 66 198,264 8,235 171,220 457 All other industries⁴ 7 337 787,695 15,970 895,225 2689 Totals 61 1,718 4,481,997 94,062 6,342,817 13,853 Wood products: 80 12 71 186,237 9,981 338,792 627 Furniture 153 1,836 6,540,804 210,770 10,560,410 20,505 Mortician's goods 4 70 <t< td=""><td>Textiles:</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Textiles:							
All other industries 3	Awnings, tents and sails	8	189	519,739	16,590	1,072,691	1, 910, 488	
Totals 34 727 2,155,100 111,465 4,827,419 8,182 Clothing and knitting mills: Clothing, men's factory 19 670 1,702,688 39,017 2,711,566 5,164 Clothing, women's factory 20 645 1,793,350 30,840 2,564,806 5,511 Fur goods 15 66 198,264 8,235 171,220 457, All other industries4 7 337 787,695 15,970 895,225 2,689, Totals 61 1,718 4,481,997 94,062 6,342,817 13,853 Wood products: Boxes and baskets, wood 12 71 186,237 9,981 338,792 627 Furniture 153 1,836 6,540,804 210,770 10,560,410 20,505, Miscellaneous wood products 26 498 2,038,244 142,229 5,048,258 3,601, Mortician's goods 4 70 244,891 6,301 389,627 735, Sash, door and planing mills 58 1,264 5,135,186 266,351 10,385,783 18,401, Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134,168, Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,990, All other industries5 7 142 567,800 24,163 1,063,688 1,934, Totals 333 17,109 70,736,978 3,038,587 130,093,705 240,964, Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960,	Miscellaneous textiles	7	99	299,355	15,070	444,071	858, 112	
Clothing and knitting mills: Clothing, men's factory 19 670 1,702,688 39,017 2,711,566 5,164 Clothing, women's factory 20 645 1,793,350 30,840 2,564,806 5,511 Fur goods 15 66 198,264 8,235 171,220 467, All other industries 7 7 337 787,695 15,970 895,225 2,689, Totals 61 1,718 4,481,997 94,062 6,342,817 13,853 Wood products: Boxes and baskets, wood 12 71 186,237 9,981 338,792 627, Furniture 153 1,836 6,540,804 210,770 10,560,410 20,505, Miscellaneous wood products 26 498 2,038,244 142,229 5,048,258 3601, Mortician's goods 4 70 244,861 6,301 389,627 735, Sash, door and planing mills 58 1,264 5,135,186 266,351 10,385,783 18,401, Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134,168, Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,990, All other industries 7 142 567,800 24,163 1,063,688 1,934, Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964, Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960,	All other industries ⁵	19	439	1,336,006	79,805	3,310,657	5,413,987	
Clothing, men's factory 19 670 1,702,688 39,017 2,711,566 5,164 Clothing, women's factory 20 645 1,793,350 30,840 2,564,806 5,511 Fur goods 15 66 198,264 8,235 171,220 457. All other industries 7 7 337 787,695 15,970 895,225 2,689. Totals 61 1,718 4,481,997 94,062 6,342,817 13,853 Wood products: Boxes and baskets, wood 12 71 186,237 9,981 338,792 627. Furniture 153 1,836 6,540,804 210,770 10,560,410 20,505. Miscellaneous wood products 26 498 2,038,244 142,229 5,048,258 3,601. Mortician's goods 4 70 244,891 6,301 389,627 735. Sash, door and planing mills 58 1,264 5,135,186 266,351 10,385,783 18,401. Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134,168. Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,990. All other industries 5 7 142 567,800 24,163 1,063,688 1,934. Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964. Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960. Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960.	Totals	34	727	2,155,100	111,465	4,827,419	8, 182, 587	
Clothing, women's factory 20 645 1,793,350 30,840 2,564,806 5,511 Fur goods 15 66 198,264 8,235 171,220 457, All other industries4 7 337 787,695 15,970 895,225 2,689, Totals 61 1,718 4,481,997 94,062 6,342,817 13,853 Wood products: Boxes and baskets, wood 12 71 186,237 9,881 338,792 627, Furniture 153 1,836 6,540,804 210,770 10,560,410 20,505, Miscellaneous wood products 26 498 2,038,244 142,229 5,048,258 3,601, Mortician's goods 4 70 244,891 6,301 389,627 735, Sash, door and planing mills 58 1,264 5,135,186 266,351 10,385,783 18,401, Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134,168, Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,990, All other industries5 7 142 567,800 24,163 1,063,688 1,934, Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964, Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960,	Clothing and knitting mills:							
Fur goods 15 66 198,264 8,235 171,220 467. All other industries 4 7 337 787,695 15,970 895,225 2.689. Totals 61 1,718 4,481,997 94,062 6,342,817 13,853 Wood products: Boxes and baskets, wood 12 71 186,237 9,981 338,792 627 Furniture 153 1,836 6,540,804 210,770 10,560,410 20,505. Miscellaneous wood products 26 498 2,038,244 142,229 5,048,258 3,601. Mortician's goods 4 70 244,891 6,301 338,627 735. Sash, door and planing mills 58 1,264 5,135,186 266,351 10,385,783 18,401. Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134,168. Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,990. All other industries 5 7 142 567,800 24,163 1,063,688 1,934. Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964. Paper products: Boxes and bags, paper 14 1,170 4,401,496 174,245 14,165,860 24,086, Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960.	Clothing, men's factory	19	670	1,702,688	39,017	2,711,566	5,164,652	
All other industries 7 337 787,695 15,970 895,225 2,689, Totals 61 1,718 4,481,997 94,062 6,342,817 13,853 Wood products: Boxes and baskets, wood 12 71 186,237 9,981 338,792 627 Furniture 153 1,836 6,540,804 210,770 10,560,410 20,505, Miscellaneous wood products 26 498 2,038,244 142,229 5,048,258 3,601, Mortician's goods 4 70 244,891 6,301 389,627 735, Sash, door and planing mills 58 1,264 5,135,186 266,351 10,385,783 18,401, Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134,168, Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,990, All other industries 7 142 567,800 24,163 1,063,688 1,934, Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964, Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960,	Clothing, women's factory	20	645	1,793,350	30,840	2,564,806	5,511,429	
Totals 61 1,718 4,481,997 94,062 6,342,817 13,853 Wood products: Boxes and baskets, wood 12 71 186,237 9,981 338,792 627 Furniture 153 1,836 6,540,804 210,770 10,560,410 20,505,601 Miscellaneous wood products 26 498 2,038,244 142,229 5,048,258 3,601,735 Sank, door and planing mills 58 1,264 5,135,186 266,351 10,385,783 18,401 Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134,168 Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,990 All other industries ⁵ 7 142 567,800 24,163 1,063,688 1,934, Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964, Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960, <td>Fur goods</td> <td>15</td> <td>66</td> <td>198,264</td> <td>8,235</td> <td>171,220</td> <td>487, 833</td>	Fur goods	15	66	198,264	8,235	171,220	487, 833	
Wood products: Boxes and baskets, wood 12 71 186,237 9,981 338,792 627 Furniture 153 1,836 6,540,804 210,770 10,560,410 20,505 Miscellaneous wood products 26 498 2,038,244 142,229 5,048,258 3,601 Mortician's goods 4 70 244,891 6,301 389,627 735 Sash, door and planing mills 58 1,264 5,135,186 266,351 10,385,783 18,401 Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134,168 Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,990 All other industries ⁵ 7 142 567,800 24,163 1,063,688 1,934 Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964 Paper products: Boxes and bags, paper 14 1,170 4,401,496 174,245 14,165,860 24,086 Miscellaneous paper goods 9 352 1,250,193 53,025	All other industries4	7	337	787,695	15,970	895,225	2, 689, 799	
Boxes and baskets, wood 12 71 186,237 9,981 338,792 627 Furniture 153 1,836 6,540,804 210,770 10,560,410 20,505, Miscellaneous wood products 26 498 2,038,244 142,229 5,048,258 3,601, Mortician's goods 4 70 244,891 6,301 389,627 735, Sash, door and planing mills 58 1,264 5,135,186 266,351 10,385,783 18,401, Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134,168, Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,990, All other industries 7 7 142 567,800 24,163 1,063,688 1,934, Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964, Paper products: Boxes and bags, paper 14 1,170 4,401,496 174,245 14,165,860 24,086, Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960,	Totals	61	1,718	4,481,997	94,062	6,342,817	13,853,713	
Furniture 153 1,836 6,540,804 210,770 10,560,410 20,505, Miscellaneous wood products 26 498 2,038,244 142,229 5,048,258 3,601, Mortician's goods 4 70 244,821 6,301 389,627 735, Sash, door and planing mills 58 1,264 5,135,186 266,351 10,385,783 18,401 82 9,071 39,522,889 1,586,556 73,172,620 134,168, Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,990, All other industries 7 142 567,800 24,163 1,063,688 1,934, Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964, Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960,	Wood products:							
Miscellaneous wood products 26 498 2,038,244 142,229 5,048,258 3,601 Mortician's goods 4 70 244,891 6,301 389,627 735 Sash, door and planing mills 58 1,264 5,135,186 266,351 10,385,783 18,401 Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134,168 Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,990 All other industries ⁵ 7 142 567,800 24,163 1,063,688 1,934 Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964 Paper products: Boxes and bags, paper 14 1,170 4,401,496 174,245 14,165,860 24,086 Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960	Boxes and baskets, wood	12	71	186, 237	9,981	338,792	627,130	
Mortician's goods 4 70 244,881 6,301 389,627 735, 735, 735, 735, 735, 735, 736 Sash, door and planing mills 58 1,264 5,135,186 266,351 10,385,783 18,401 Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134,168 Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,990 All other industries ⁵ 7 142 567,800 24,163 1,063,688 1,934 Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964 Paper products: 80 80 1,170 4,401,496 174,245 14,165,860 24,086 Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960	Furniture	153	1,836		210,770	10,560,410	20, 505, 894	
Sash, door and planing mills 58 1,264 5,135,186 266,351 10,385,783 18,401 Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134,168 Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,990 All other industries ⁵ 7 142 567,800 24,163 1,063,688 1,934 Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964 Paper products: Boxes and bags, paper 14 1,170 4,401,496 174,245 14,165,860 24,086 Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960	-	26	498		142,229	5,048,258	3, 601, 141	
Sawmills 82 9,071 39,522,889 1,586,556 73,172,620 134,168 Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,990 All other industries ⁵ 7 142 567,800 24,163 1,063,688 1,934 Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964 Paper products: Boxes and bags, paper 14 1,170 4,401,496 174,245 14,165,860 24,086 Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960		4	70	244,891	6,301	389,627	735,437	
Veneers and plywoods 11 4,157 16,500,927 792,236 29,134,527 55,990 All other industries ⁵ 7 142 567,800 24,163 1,063,688 1,934 Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964 Paper products: Boxes and bags, paper 14 1,170 4,401,496 174,245 14,165,860 24,086 Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960							18,401,279	
All other industries ⁵ 7 142 567,800 24,163 1,063,688 1,934 Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964 Paper products: Boxes and bags, paper 14 1,170 4,401,496 174,245 14,165,860 24,086, Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960							134, 168, 671	
Totals 353 17,109 70,736,978 3,038,587 130,093,705 240,964 Paper products: Boxes and bags, paper 14 1,170 4,401,496 174,245 14,165,860 24,086 Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960							55, 990, 153	
Paper products: Boxes and bags, paper							1,934,377	
Boxes and bags, paper 14 1,170 4,401,496 174,245 14,165,860 24,086, Miscellaneous paper goods 9 352 1,250,193 53,025 4,034,891 5,960,		303	21,200	10,130,013	0,000,001	100,000,100	* 10,001,004	
Miscellaneous paper goods		14	1 150	4 401 402	174 045	14 105 000	04 000 544	
							24,086,544	
1,113 0,030,190 004,109 7,518,260 19,238							5,960,756	
Totals 27 2,637 11,710,485 912,039 25,719,011 49,286							19, 238, 739 49, 286, 039	

VANCOUVER METROPOLITAN AREA - Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nur	nber		dol	lars	
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	11	154	808,592	16,974	192,942	1,294,08
Lithographing	11	301	1,246,048	29, 180	1,430,071	3,378,56
Printing and bookbinding	103	1,128	4,548,719	108,868	3,322,166	9,876,86
Printing and publishing	19	1,854	9,533,246	112,793	5,568,424	22,487,72
Publishing (only) of periodicals	108	259	575,300		2,016,419	4,241,13
Totals	3 255	3,711	67,898 16,779,803	1,494 269,309	1, 261 12,531, 283	104,00 41,382,38
Trop and atool medicates						
Iron and steel products: Boilers, tanks and platework	1.5	405	0.050			
Castings, iron	15	497	2,373,457	90,503	3,925,105	6, 285, 20
Hardware, tools and cutlery	13 20	475	2,283,835	115,069	3,283,082	7,090,40
Heating and cooking apparatus	12	468 294	1,918,884	104,893	3,452,090	8,042,29
Machine shops	50	495	1,124,711 2,211,251	49,414	1,977,798	3,671,07
Machinery, industrial	42	1,018	4,222,166	74,318 139,902	1,337,008	4,442,98
Miscellaneous iron and steel products	37	346	1,402,006	100, 294	3,877,686 1,844,191	10,583,05 4,358,08
Primary iron and steel	5	378	1,667,587	314, 230	1,883,425	4,674,18
Sheet metal products	35	1,100	5,076,183	177,831	14,642,533	25,937,76
Wire and wire goods	16	386	1,569,045	81,590	3,522,559	6,836,06
All other industries ⁷	9	1,478	7, 174, 132	172,541	11,713,518	23,822,02
Totals	254	6,935	31,023,257	1,420,585	51,458,995	105, 743, 13
Transportation equipment:	44		1 000 000	00.000	4 000 000	
Motor vehicle parts	44	305	1,060,098	28,582	1,062,067	2,607,549
Shipbuilding	16 13	258	1, 120, 734 10, 484, 129	54,879	1,827,118	3,833,230
All other industries	6	464	1,922,201	257,283 53,099	2,361,120 2,211,247	18,100,598 5,065,768
Totals	79	3, 169	14,587,162	393,843	7,461,552	29,607,145
Non-ferrous metal products:						
Aluminum products	13	144	592,093	54,844	1,286,644	2,285,214
Brass and copper products	12	136	646,156	46,342	721,556	1,606,087
Jewellery and silverware	15	132	438, 278	4,202	293, 271	845,125
All other industries ⁹	6	98	451,096	40,726	1,019,006	2,028,527
Totals	46	510	2,127,623	146,114	3,320,477	6,764,953
Electrical apparatus and supplies:						
Batteries	4	60	197,772	17,687	412,627	838,332
Miscellaneous electrical apparatus and supplies	13	362	1,625,177	69,530	4,401,758	8,096,665
Telecommunication equipment	9	135	597,631	29,862	616,760	1,501,178
All other industries ¹⁰	7	304	1,476,082	55,657	2,746,461	5,348,212
Totals	33	861	3,896,662	172,736	8,177,606	15,784,387
Non-metallic mineral products:						
Concrete products	22	594	2,636,237	264,124	4,853,120	8,716,239
Glass and glass products	5	35	127, 237	3,608	248,530	459,052
Stone products	6	102	407,451	85,552 666,867	435,963	1,396,407
All other industries ¹¹	16	455	1,961,803			6,270,715
Totals	49	1,186	5, 132, 728	1,020,151	7,887,098	16,842,413

VANCOUVER METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nur	nber		doll	ars	
Chemicals and allied products:						
Gases, compressed	4	84	435,707	34, 195	333,628	1,754,713
Medicinal and pharmaceutical preparations	8	34	113,957	3,617	175,692	338,513
Miscellaneous chemical products	19	169	572,887	12,789	707,822	1,417,525
Paints, varnishes and lacquers	14	293	1, 197, 229	51,379	3, 131, 152	6,090,530
Primary plastics	4	89	419,992	39,299	3,652,444	6,071,975
Soaps, washing compounds and cleaning prepara-	11	66	214.728	15.045	611,878	1,299,853
All other industries ¹²	19	268	1, 138, 975	945,993	3,881,986	9,310,342
Totals	79	1,003	4,093,475	1,102,317	12,494,602	26,283,451
Miscellaneous manufacturing industries:						
Brooms, brushes and mops	6	67	218,626	4, 459	226,623	559,728
Ice, artificial	4	26	84,361	27,341	20,116	261,760
Lamps, electric, and lamp shades	3	73	201, 136	5,681	328,537	680,637
Models and patterns (excluding paper)	-5	26	111,233	1,844	20,641	162,479
Orthopaedic and surgical appliances	6	18	63,785	2,506	41,740	116,299
Plastic products	13	99	260,390	12,986	620,160	1,244,257
Signs, electric, neon and other	34	505	2,335,714	72,549	1,705,057	5,547,455
Sporting goods	7	54	144,649	8,135	198,974	499,720
Stamps and stencils, rubber and metal	8	64	218,162	8,393	88,677	418,159
Statuary, art goods and regalia	7	15	20,680	961	19,136	47,722
Umbrellas	3	20	50,372	2,626	97,352	192,606
All other industries ¹³	9	39	127,824	7,603	160,066	420,034
Totals	105	1,006	3,836,932	155,084	3,527,079	10,150,856
All other major groups:						
Totals	9	954	4,890,243	2,093,575	39,333,296	74,958,949
Grand totals, Metropolitan Vancouver	1,746	52,878	217,676,330	14,459,176	517,097,840	941,502,899

The Following Municipalities are Included in Greater Vancouver

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dol	lars	
Vancouver (city proper) New Westminster North Vancouver Port Coquitlam Port Moody Burnaby District Municipality Richmond District Municipality Surrey District Municipality All others¹ Totals	1,217 105 70 7 8 120 83 70 66 1,746	32,765 6,115 2,832 74 707 3,894 3,038 1,152 2,301 52,878	134,591,149 24,436,540 13,014,931 320,890 2,810,081 17,392,474 10,985,926 4,032,849 10,091,490 217,676,330	6,301,610 1,951,168 1,428,666 36,509 223,226 2,770,747 1,175,451 339,276 232,523 14,459,176	292, 447, 555 62, 919, 597 13, 259, 069 425, 506 8, 469, 694 66, 804, 266 43, 617, 094 10, 928, 211 18, 226, 848 517, 097, 840	522,600,098 116,164,166 37,086,958 676,919 15,078,077 126,363,788 68,863,807 18,395,709 36,273,377 941,502,899

¹ Includes: Coquitlam District Municipality; Delta District Municipality; Fraser Mills District Municipality; North Vancouver District Municipality; University Endowment Area; West Vancouver District Municipality; Unorganized and Indian Reserves.

¹ Includes: Animal oils and fats, 1; biscuits, 2; distilled liquors, 3; flour mills, 1; macaroni and kindred products, 3; sugar refining, 1; wines, 1.
² Includes: Leather tanning, 2; miscellaneous leather goods, 5.
³ Includes: Automobile accessories, fabric, 2; bags, cotton and jute, 2; cordage, rope and twine, 3; cotton yarn and cloth, 1; dyeing and finishing of textiles, 1; embroideries, pleating, hemstitching, etc., 2; linoleum and coated fabrics, 1; miscellaneous cotton goods, 2; miscellaneous woollen goods, 2; woollen cloth, 3.
⁴ Includes: Clothing, children's factory, 1; fur dressing and dyeing, 1; hats and caps, 1; miscellaneous clothing, 1; other knitted goods, 3.
⁵ Includes: Bekeeper's and poultrymen's supplies, 1; cooperage, 1; flooring, hardwood, 1; woodenware, 2; woodturning, 2.
⁶ Includes: Pulp and paper mills, 3; roofing paper, 1.
७ Includes: Aircraft and parts, 3; motor vehicles, 2; railway rolling stock, 1.
ゅ Includes: Miscellaneous non-ferrous metal products, 2; white metal alloys, 4.
¹ Includes: Machinery, heavy electrical, 4; refrigerators, vacuum cleaners and appliances, 3.
¹¹ Includes: Abestos products, 2; cement, hydraulic, 1; clay products from domestic clay, 4; clay products from imported clay, 3; gypsum products, 1; lime, 1; miscellaneous non-metallic mineral products, 4.
¹¹ Includes: Acids, alkalies and salts, 3; adhesives, 3; coal tar distillation, 1; fertilizers, 2; inks, 6; polishes and dressings, 2; toilet preparations, 1; vegetable oils, 1.
¹¹ Includes: Candles, 1; fountain pens and pencils, 1; hair goods, 2; instruments and related products, 1; miscellaneous industries, other, 1; musical instruments, 1; toys and games, 1; typewriter supplies, 1.

APPENDIX II

Alphabetical List of the Products Reported as having been Manufactured in Canada in 1958

The appended list of the products of Canadian manufacturing industries presents the value and in most cases the quantity of the individual products in a much more detailed form. Prior to 1927, in presenting statistics of manufacturing production, the whole production of an establishment was taken as a unit. This not only prevented the presentation of production figures for specific products in detail, but also involved numerous inaccuracies in the production statistics of classes of commodities, owing to the fact that commodities which may be the major line of production in one establishment may also be products of secondary importance in another establishment where the major line of production puts the establishment into a different class. The statistics which follow, however, have been compiled by taking from the individual returns of each of the 36.741 manufacturing establishments covered, the value and, when given, the quantity of each commodity specified as produced by the establishment. In this way, detailed production figures are obtained for specific commodities and, furthermore, the total production of each commodity is brought together, no matter how varied may be the operations in different establishments producing it. Nevertheless it should be pointed out to those making use of these figures that there is one element of incompleteness about them. In the returns of many manufacturers, products of minor importance are grouped under the name "all other products". As will be seen from the group at the end of the list, the value of products not specified, while they may appear unimportant to the individual manufacturer, are, in the aggregate, a large amount, especially in the industries of two of the larger groups. It is obvious that one manufacturer may consider a product of insufficient importance to report separately for his establishment, while that same product may be reported separately by other establishments. In other words, included in the value of other products not specified at the end of the list, there are doubtless values which, had the products been specified by the manufacturer, would have been included in values of commodities appearing on the list. However, the products not specified total only about 2.0 per cent in value of the whole manufacturing production, although in the iron and steel group this proportion is 3.0 per cent and in transportation equipment 6.1 per cent. With the exception of these groups, therefore, the incompleteness of the figures on this account is insignificant.

There is no duplication in the listing of products, nor do any of the items, include products listed in more detail under another name. It is possible, however, that essentially the same commodity produced in different establishments may have been called by different names; in such a case, which is probably a very rare one, the items would appear separately in the following list.

It should be noted that a shipments' concept instead of the value of production concept was adopted in 1952. Items still collected on a production basis are marked with an asterisk.

Alphabetical List of Commodities, 1958

Note: In 1952 and subsequent years the basis of collection, is "Value of Factory Shipments" instead of "Gross Value of Products". However, the commodities marked * are still on a production basis.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Abrasive cloth		_	1 1
Abrasive paper Abrasive wheels and segments Abrasives, not specified (see also "Alumina, fused" and "Silicon carbide") Absorbent cotton		_	6,013,543
Abrasives, not specified (see also "Alumina, fused" and "Silicon carbide")	-	_	1,917,721
Absorbent cotton			1
Discretances, synthetic Accelerators, synthetic		_	1
cetic anhydride	_	-	1
cetylene in cylinders or pipe line	cu. ft.	395, 566, 230	8,362,073
cetone cetylene in cylinders or pipe line cid, acetic, glacial, 99½% cid, adipic			1
cid, adipic cid, citric cid, fatty, cocoanut, tallow, etc. cid, fatty, cocoanut, tallow, etc. cid, hydrochloric (Muriatic) cid, hydrofluosilicic cid, monochloro acetic	1b.	17,742,761	2, 400, 569
cid, fatty, cocoanut, tallow, etc.	-	-	1,033,896
cid, hydrofluosilicic		_	1
cid, monochloro acetic	1144011	area.	1
Acid, nitric		_	1
cid, stearic			
Quantity made	lb.	3,629,733 3,485,251	22, 216, 678
Quantity shipped		-	1, 120, 03' 6, 768, 62
		Ξ	60, 812, 19
Adnessives, n.e.s. Advertising matter, printed, n.e.s. Advertising displays (see "Displays")		40	
Agitators, mining and metallurgical		49	248, 186 23, 172, 416 6, 784, 77
Agricultural implements and parts, n.e.s.		-	6, 784, 77
Aircraft and parts:	_	_	189, 947, 13
Aircraft being built but not completed		-	73, 918, 28
Aircraft repairs (Value of work done)		=	75, 743, 24 77, 790, 01
Value of work done on developing aircraft and engines, (including other products n.	e.s.) –	-	121,999,28 73,052,58
Aircraft and parts: Aircraft completed during the year* Aircraft completed during the year* Aircraft being built but not completed Aircraft repairs (Value of work done) Aircraft parts manufactured* Value of work done on developing aircraft and engines, (including other products n.) Value of work done in 1957 on aircraft completed in 1958 Albumen, powdered, (included in "Egg substitute")		-	13,002,00
Alcohol, butyl Alcohol, industrial, (produced)		- 004 414	2,325,36
Alcohol, industrial, (produced)	pf. gal.	5,984,414	2, 320, 30.
Alcohol, industrial, (sold): Denatured:			1
Antifreeze Perfume manufacturing		_	1
Rubbing alcohol	st. gal.	162,688 1,341,637	160,37 1 243 11
Rubbing alcohol Solvents and cleaning fluids Other, including that for hospitals, research, etc.	64	484,547	1,243,11 440,92
Not denatured	pf. gal.	4, 228, 294	1,989,78
Alcohol, isopropyl		_	3
Alkylate	bbl.	201, 260	834,32
Alcohol, normal prophyl Alkylate Alkylate feed stocks* Alloys, cutting Alloy, die casting Almong paste Almong paste		notes .	1
Alloy, die casting	lb.	11, 188, 908 83, 841	1,553,12 32,46
Almond paste	ton	109,507	10,994,27
Almond paste Alumina, fused (crude) Alumina, fused (abrasive grains) Aluminum bars, rods and ingots Aluminum extruded shapes Aluminum fluoride Aluminum graide			1
Aluminum pars, rods and ingots	lb.	30,939,362	17,411,61
Aluminum fluoride			1
Aluminum products n.e.s.		_	12,511,71
		767, 251	28, 59 133, 51
Ammonia, annydrous Ammonia, aqua Ammonia, powder	41	1,315,990	133,51
Ammonium chloride		and the same of th	1
Ammonium nitrate (regular) Ammonium nitrate (fertilizer grade)		3	3
Ammonium chloride Ammonium nitrate (regular) Ammonium nitrate (fertilizer grade) Ammonium phosphate Ammonium sulphate, other than milled, screened and bagged Ammonium sulphate, other than milled screened and bagged		8.	3
Ammonium sulphate, other than milited, screened and bagged Ammonium sulphate, milled, screened and bagged Ammunition (see "Munitions and war supplies")	ton	468	29,70
Ammunition (see "Munitions and war supplies")	_	-	13, 023, 49
Antibiotics, including penicillin and streptomycin Anti-freeze preparations, glycol type Anti-freeze, elcohol industrial, denatured, sold")	gal.	4,278,858	7, 162, 59
Anti-freeze, alcohol type (see "Alcohol industrial, denatured, sold") Apple butter Apple juice (included in "Fruit Juices") Apple fuice concentrate		_	1
Apple juice (included in "Fruit Juices")			1
Apple juice (included in "Fruit Juices") Apple juice concentrate Apple pomace, chop and waste Apples, evaporated and dehydrated		-	1
Apples, evaporated and dehydrated	1b.	798, 100	208,90
Apricot concentrate Apron, plastic		25,278	84, 12
Aprons, rubber, rubberized and oiled	64	14,746	87,30

Indicates that the commodity was reported by one or two concerns.
 Does not include value of equipment and parts supplied as free issue by the government.
 Included in "Fertilizers, other than mixed".

Items	Unit of measure	Quantity	Value of factory shipments
Antono Sobvios			\$
Aprons, fabric: Children's Men's and youths'	doz.	11,424	48,414
Men's and youths' Women's and misses'	**	12, 296 222, 209	145,762 1,343,139
Not specified Archery tackle Archery	=	_	153,979 214,020
Artists househas (included in "Doughos other not and its all)	doz. pr.	6,766	16,814
Art needlework	_	_	379,629 83,089
Asbestos products, including clutch facings		_	3,585,013 2,630,092
Asphalt emulsion	bbl. gal.	9, 169, 838 21, 182, 714	43,450,567 4,472,482
Atomizers	_		5, 244, 533
6.000 lbs. or less:			
For sale in Canada For export	No.	28, 225 2, 587	45,321,409 2,868,787
For sale in Canada	ee	8,677	
10,001 to 14,000 lbs:	66	288	15, 280, 351 337, 909
For sale in Canada For export	66	2, 277 145	4,363,503
14,001 to 16,000 lbs: For sale in Canada	44	1, 196	161,027 2,700,473
16,001 to 19,500 lbs:	"	355	343,519
For sale in Canada For export	86	3,497 1,949	9,798,026
For sale in Canada	44	9,497	1,638,811 29,231,186
For export	44	189	247, 385
For sale in Canada For export	**	1,148	6,787,505
Over 33,000 lbs: For sale in Canada	No.	820	5,915,706
For export	26	7	117, 700
Convertible cars: Soft top:			
For sale in Canada For export	44	4, 203 53	9,974,944 99,732
Hard top: For sale in Canada	dd	41,591	
For export	44	1, 132	95,477,878 1,867,882
2 door sedan or coupe: For sale in Canada	66	49,581	89,397,505
For export	**	58	89, 399
For sale in Canada	44	161, 974 10, 969	319, 168, 985 15, 167, 413
Station wagon type: For sale in Canada	44	23, 328	49,956,019
For export	**	744	1, 289, 324
For export Buses or coaches:	44	4,716	1,432,714
Complete units: For sale in Canada	**	442	10,378,051
Chassis only (for sale in Canada) Automobile, bus and truck bodies and cabs	"	129	282,991 17,170,294
Automobile bumpers and bumperettes Automobile cloth	=	-	10, 223, 819
Automobile parts and accessories, not specified	Ξ	=	146, 497, 783 2, 233, 289
Awnings, fabric	_	=	1,896,439 191,648
Awnings, other, including fibre glass, steel, etc. Axes and hatchets	No.	323,530	722,065 3,996,654
Axles and shafts, automobile	lb.	1,708,492	534,940 826,315
Babbitt metal	IU.	2,100, 202	020, 313
Cosmetic (plastic, etc.)	No.	36,783,755	1 7,682,907
Jute	140.	96,071,347	15, 401, 475
Garment, laundry, etc. (plastic)	- No	773,080	871,048 4,096,867
Hand, leather	No.	2,342,239	3,280,614 928,932
Hand, other	- No	42, 243	20,621 275,578
Shopping, sports, etc., leather Shopping, sports, etc., fabric	No.	42, 243	558,427

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Bags - Concluded: Sleeping (see also "Infants' wear")	No.	144,432	1,798,079
Club bags, suit cases and other hand luggage	No.	595,400	7,310,280 870,321
Dahria hage not specified			1,270,299 434,979
Fabric bags, repaired Bags, paper:	-		
Glassine, waxed paper, grease proof paper, etc.	lb.	6,684,698	2,882,263 2,333,675
Millinery, garment and laundry Multi-wall		- DOE OEE	28, 562, 842 12, 175, 989
Self-opening	lb.	75, 295, 055 16, 667, 934	4,049,503
Paper, not specified	-		7,871,913 17,668,171
Bags, plastic (see also "Bags, cosmetic, Bags, garment and Bags, hand")		_	428,603
Bags, rubber, air and steam (tire curing) Bakers' equipment, including bake pans	_		395, 084
Bale ties - Quantity made	ton	3,430 3,557	989, 382
Quantity shipped	d d	38,919	5,787,661
Rall and rod mills, grinding	gr.	297, 946	1,355,593 627,644
Ballons Balls, baseball	doz.	25,430	304,065
Balls, goffhall	doz.	27,934	359,698
Balls, oftball Balls, other, including play balls, footballs, etc.			972,074 258,065
Barley, pot and pearl Barn and stable equipment, not elsewhere specified	_	_	1
Barrels, wooden: Apple, etc.	No.	232,729	446,857
Figh clark	66	9,521 81,560	25, 565 240, 514
Flour sugar etc.	44	11,337	22, 106
Oil, vinegar, water, etc. Whiskey, beer, etc.	44	137,899 24,788	954, 597 595, 555
Rarrels steel	**	1, 268, 775	6,024,528 518,728
Barrels, repaired Bars and ingots, aluminum (see "Aluminum bars, rods and ingots")	_		010, 120
Bars and rods, brass and bronze	-	eno.	*
Bars, iron and steel: Hot rolled, of all grades:	4	338,745	_
Quantity made	ton	299, 323	49,798,988
Cold rolled and drawn:	**	35,826	_
Quantity made Quantity shipped	66	36,243 298,881	11, 376, 423 38, 863, 096
Concrete reinforcing Basket bottoms	M	10,488	288, 278
Baskets and crates, fruit and vegetable		Ξ	2, 934, 504 268, 365
Baskets, other, not specified	_	-	273, 986
Bathing shoes Bathing suits, including trunks, etc.	doz.	207,844	6,305,871
Bath mats and sets	-	_	635,941
Bathrobes, kimonos, lounging jackets, etc.: Cotton:	3	62,885	2,073,463
Women's and misses' Children's	doz.	14,659	295, 393
Men's	_	_	*
Rayon and silk: Women's and misses'	doz.	14,680 8,966	939, 977 869, 923
Men's and youths' Children's	66	1,368	50,370
Wool and flannel: Women's and misses'		6,118	623,767
Men's and vouths'	**	5,830 3,610	1,017,854 237,538
Children's			
Women's and misses' Men's and youths'	44	30, 487 6, 416	1,968,559 360,677
Children's	44	853 301, 924	33,750 210,222
Bats, baseball	No.		
Batteries: Storage, for automobiles and other internal combustion engines Storage, for railway service (cells)	66	2,235,253 27,499	21, 516, 473 1, 062, 621
Storage for farm lighting plants (cells)	1	19,392 2,586	264,424 1,778,573
Storage, for direct motive power, industrial trucks, mine locomotives, etc.) Storage for all other purposes	_	_	1,787,678
Dry cell, 6 in, batteries	No. of cells	1,577,144 23,492,198	968,945 1,114,242
Dry cell, radio, for portable sets	66	17,703,723	1,495,927 3,298,357
Dry cell, flashlight	_	29, 257, 106	
Dry cell, fashlight "A" Dry cell, hearing aid "A" Dry cell, hearing aid "B" Dry cell, all other	_] -	1,335,120
Parts and supplies for patteries		_	1,096,020 2,550,876
Battery containers, covers, etc. Batts, wadding, and rolls including auto batts (see also "Flocks")	_	_	5, 203, 509
Bearings, ball, roller, pillow blocks, engines and other bearings, not specified Beauty parlour equipment (see also "Hair dressing accessories)	_	_	11, 091, 544 1, 064, 951

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
eds and couches: Beds, metal	No.	108,691	1,951,22
Studio couches, metal and other	44	47,437	3,534,504 277,355 731,99
Cots and bunks, metal	44	18, 373 73, 800	731,99
Cribs, metal		3,718 27,038	64,328 127,750
eds, campedspreads and bed sets:	********	21,030	121, 130
Cotton		662, 187	2,970,539
Artificial silk and artificial silk with mixtures		106,037 69,608	942, 854 426, 814
eef extract		-	1
eekeepers' supplies, n.e.seek. stout and porter (sales):		_	183,93
Bottled and canned	gal.	173,450,263	307, 729, 12
Draughteer, spruce	66	46,397,974 560,087	53,880,810 465,93
eet pulp, wet and dried	1110101000	137,524	2,484,10
elting, leather (transmission)	1b.	142, 259	671,95
elting, rubberelts, automobile, fan	No.	1,738,158	8,968,46 1,252,71
elts. body, not specified			4,691,33
elts, garterelts and belting, rubber, other	doz.	120,790 787,508	1,021,48 980,80
elts and aprons, sanitary		-	128,00 3,996,79
enzol		146,305,181	3,996,79 133,187,24
everages, carbonated (bottled and canned)everages (in bulk)		894,013	694,76
cycles	No.	109,093	3,058,76 200,62
cycle parts		_	4,610,28
inders, loose-leaf and other	-	-	4,151,61
inding and stitching (trade work)			3,819,27
indings (see also "Tapes": Cotton		-	1,465,18
Rayon and rayon mixtures		_	396,96 328,71
Other		_	1,710,01
ologicals and vaccines		200,975,751	8,788,32 63,049,28
scuits, plain and fancyscuits, soda		44, 870, 379	11,399,84
lack acetylene			1
lack (carbon black)		_	314,00
lackboard, asbestos and otherlankets:			
Cotton	pr.	168,544	
All wool	ib.	1, 144, 283	2,188,63
All synthetic and synthetic blends	pr.	590, 589 3, 056, 204	3,922,90
Other, including cotton mixtures and crib blankets	lb. pr.	1,029,377	-
	[1b.]	1,956,218	2,908,33 553,03
Slumber throwslankets, electric	No.	115, 440	1
lankets and covers, horse	NO.	8,834	35,50 261,0°
lankets, mibber, printers'	*********	_	491,49
lanks for window blind rollers (sawn)leaching compound			1
linds, venetian (see "Shades and blinds")		663,969	30,63
lood, animal, dried, edible		7,003,765	335, 44
		267, 422	28, 519, 7
Donns, onners, stabs and sheet bars including offends. Quantity shipped louses, women's, misses' and children's:	ton	201, 422	
Cotton, women's and misses'		365, 346	8,605,4
Cotton, children's	0101011111	179,426 19,128	2,274,7
Nylon, children's	0.040404040	40,652	1, 314, 3
		203, 391 21, 230	3,380,0
Rayon and rayon mixtures, which is and masses and rayon mixtures, children's	66	15, 385	608,0
Woollen, children's		5,089 71,181	130,8 2,776,7
Other, women's and misses'		4, 346	77,1
Other, children's		_	2,305,8
lowers for domestic furnaces		180,026	1
lue, laundry loats, life and whale		77	125,6
anta matar		744 19,740	1,803,2 5,296,6
nate outhoard motor	.0.0.0.0.0.00	20,710	216,3
toats, sail (see also "Canoes") toats, other, including row boats, skiffs, etc. (see also "Canoes")		_	2,639,3 151,5
not nosts	*********	_	1
ioller compound		-	11, 581, 6
		_	16,055,7 2,942,3
Sollers, power Sollers, range and wash Sollers and engine parts and accessories		-	2, 466, 9
30lers and engine parts and accessories	1b.	10, 373, 887	2,817,1 19,847,1

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Bone and meat, meal and flour Bone, raw, ground, etc. Book cloth, pyroxylin coated (included in "Fabrics, coated and impregnated")	1b.	32,525,241 30,061,410	1,569,088 424,082
Books, printed and bound, chiefly for advertising Books, printed and bound, not chiefly for advertising Books and pads, drawing, exercise, scribblers, etc., n.e.s.	. **	15,561,823 40,330,279	5,358,598 16,969,794 4,737,051 1,497,792
Books, ledger and account	No	1,406,287 17,129,883	4,737,051 1,497,792
Books, counter check, sales, etc. Books, blank, bound, not specified Boron carbide	"	3, 281, 658	2,298,450 1,731,841
Bottles, paper, milk	M	372,557 17,487	5,760,004 963,810
Bottles, thermos	pr.	15,704,620	EC1 220
Boxes, paper: Corrugated, including wrappers, etc., (see also "Wrappers")	M sa ft	6,319,776	561,339
Fibre board	88	37, 170	109,626,435 837,575
Set-up		_	73, 751, 129 13, 724, 702 691, 241
Apple and other fruit	No.	563,836	352,250
Berry Butter	24	23, 299, 135	368, 203 1, 033, 550
Cigar	- "	1,501,131 360,797	239, 165
FishMeat	66	1,015,454 274,536	921,428 210,786
Not specified	- "	2,616,231	3,639,327 4,594,174
Boxes, other, not specified	set	72,504	960,441 751,795
Braids and gimps Brake fluid			1,588,640 1,192,221
Brake beams (railway car) and parts Brakes, auto, and parts Brakes, auto, and parts		_	815,921 4,482,961
Brakes, brake shoes and parts Bran Bran Bras and bronze ingots	ton	303, 386	4,738,552 11,357,179
Brass and pronze products, not specified		30, 279, 870 	8,080,605 1,848,163 203,658,715
Bread Breakfast foods (see "Cereal products") Bricks, cement	M	180, 386	6,943,835
Bricks, domestic clay	**	547, 854 28, 231	27, 496, 644 833, 553
Briquettes, coal and coke	-		2, 109, 238
Brooms: Corn	doz.	211,469	2,580,826
Hair	**	31, 738 5, 322	462, 201 173, 151
Plastic	66	3,542 13,401	75, 115 52, 452 237, 718
Other	66	13, 224	
Clothes Cosmetic Generator and motor	3 86	23,586 8,657	184,595 67,046
Hair Nail	doz.	112, 033	905,735
Paint Shaving	66	66,399 487,075	98,785 4,015,574
Shoe	20	13,890 36,579	143,511 173,442 899,188
For industrial use		692, 951 556, 212 161, 834	1,801,856 1,461,597
Other, including artists' Brush blocks, backs, etc.	_	101,034	958,879 391,955
Buckles, Chps, etc	_	_	516,854
Buffs, polishing, cotton, etc. Building blocks, hollow cement, cinder, sand-lime, etc.		ΞΙ	538,620 973,894 39,564,003
Asbestos cement boards and sheets	_	_	1
Paper board	sq. ft.	375,003,665	14,897,820 580,259
Wood fibre: Rigid insulating Other soft boards	ton	450,762	15,460,373
	ton M sq. ft.	77, 417 17, 229	8, 126, 052 2, 155, 173
Particle board	M SQ. It.	11,229	1,263,349 20 501 763
Bungs, barrel	_	=	4, 278, 121 59, 272 32, 928, 729
Burlap products	_		32, 928, 729 272, 260
Burners, oil, power type	No.	100,657	8,842,449 544,403

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Burners, oil (parts) Burners, gas	No.	10,715	1,401,301 960,252
Burners, n.s. including conversion	_	-	63, 496
Butter, whey, factory made	lb.	2,022,460 338,256,359	1, 146, 077 214, 066, 563
Buttons: Celluloid	_		1
Covered Plastic	gr.	42,700 1,860,683	188,713 1,557,046
Metal	66	206,595 2,710,856	270,701 1,317,445
Pearl		37, 277	70,752 495,576
Butyl acetate	_	=	1, 280, 107
Butyraldehyde	No.	1,086	370, 525
Cabinets, phonograph, radio and television	_	496, 261	11,203,203 562,237
Cabinets, other, including shower	_	=	629,771
Calcium carbide Calcium chloride Calcium cyanamide,n.e.s.(Pertilizer grade, included in "Fertilizers, other than mixed")		Ξ	1
Calcium naphthenate	_	-	1
Calendar pads and cards	_	Ξ	1,573,123
Camel back Cameras	1b.	19,059,026	6,351,020
Candles and cierges: Household	_	_	612,804
Church, chapel and synagogue	doz.	7,353	2,368,247 15,844
Candy sticks	=	_	210,072 556,902
Cans, metal, cream and milk	_	_	945,035 73,519,793
Cans, metal, non food Cans, garbage and ash	=	Ξ.	33,749,716 1,307,337
Cans, paper or fibre, with paper or metal ends Cans, all paper or fibre	No.	105, 508, 616	3,407,961
Capacitors, (Static condensers for power factor correction)	_	=	65,948 5,928,960
Caps: Cloth	doz.	283, 195 121, 230	2,914,395 359,522
Cotton	66	3, 115	84,958 75,209
Leather	66	4,215 136,311 26,295	1, 189, 080 669, 087
Uniform	80	4, 234	36,992
Caps, bottle: Metal, all kinds	M	1,377,230	14,491,456 1,429,529
Paper, milk bottle		1,011,200	123,025 1,374,152
PlasticNot specified	_	_	178,973
Caramel butter	=	_	1 1
Carbon bisulphide	_	_	75, 459
Carbon products, not specified Carbons, illuminating Carboxel (see "Sodium carboxymethyl cellulose")	-	-	1
Cards, greeting	M	650,828	15,864,359
Cards, playing	M	63,061	160,684 2,043,263
Cards, sample, swatch, display, etc. Cards, tabulating and time clock	-	-	4,537,818
Carpets, mats and rugs: Carpets in rolls, including stair:	sq. yd.	538, 556	2, 322, 478
Axminster	86	736,717 974,578	5,261,421 6,344,088
Tapestry or velvet	46	1,931,684	6,742,698
Squares, mats and runners: Axminster		331,672	1,846,294
Mats and matting, cocoa Other carpets, mats, and rugs Carpet sweepers	_	=	4, 204, 344
Carriages culties etc haby	No.	208,625 229,764	3, 290, 846 1, 001, 337
Carriages, doll Carriages and wagons (see "Vehicles") Carriage and wagon boxes	**	825	201,604
Carriers, litter		=	26,569
Carrier, current equipment Cars, railway, complete (freight and passengers)	No.	5,313	11, 541, 463 64, 126, 138

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Cars, dump, hand, push and other n.s.		860	1,207,423
Carvings, wood		3,836,111	58,099 1,065,832
Casein, green		3, 156, 344	413,331
Cases, clock Cases, jewellery			121, 449 1, 364, 629
Cases, key, card, cigarette, utility, etc.	No.	1,614,839	1,172,996
Cases, portfolios, brief, etc	**	558,763 4,530	2,211,167 13,494
Cases, other, not specified	_	-	1,411,231
Caskets and coffins (completely assembled): Wooden, hardwood	No.	46,513	4 656 175
imitation hardwood		5,755 66,780	4,656,175 337,808 3,568,730
" cloth covered		66,780 1,877	3,568,730 320,247
Not specified		4,453	52,484
Shells and rough boxes		61,621	814, 819
Casks, fish	_	31,786	106,324 8,585
Castings:			
Aluminum	lb.	26,694,774	6,641,267 11,937,598
Copper	. ''	250, 269	170,019
Grey iron		_	8,582,392 31,855,776
Magnesium	. lb.	206,487	840.489
Malleable iron		19,566	7,607,912
Lead			1
Steel:		07.000	
Quantity made		97,632 96,047	41,606,855
Not specified		aren.	11,690,400
Castors, all kinds			1,523,239 17,365,913
Catalogues, printed, etc			
Caulking materials	-	-	797, 137
Cellulose products, n.e.s.	. _ [_	1
Coment, asbestos	. ton	726	111,667
Cement, hydraulic* (including containers)		Ξ	100,717,698 472,157
Cement, rubber			472, 157 619, 067 2, 070, 665
Cement, not specified	-	_	2,010,000
Prepared (ready to serve)		45,517	29, 236, 850
Unprepared		8,528	1,775,524 3,908,772
Chains, automobile		-	1,561,368
Chains, other than automobile, including sprocket chain	yd.	490,631	1,561,368 5,337,527 337,328
Channel rubber	lb.	482,272	248.060
Chaplets, foundry	ton	15, 176	918,707
Cheese, Canadian cheddar	. lb.	91, 437, 582	31, 496, 223
Cheese, other, whole milk		9,604,191 23,767,890	4,465,097
Cheese, skim milk and cottage		50, 988, 811	5,083,562 22,496,188
Cheesecloth	. yd.	2,426,995	687, 254
Chemical products, n.e.s	No.	37,416	20,569,149 1,328,888
Chewing gum Chicken, canned (see ''Meat, canned'')	box	16,711,520	12, 226, 928
Chicken, canned (see "Meat, canned") Children's sleepers (see also "Infants" wear")	doz.	71,736	835,847
Children's waists n.e.s.		_	1 050,047
Chloride of lime	. lb.	222,400	31,413
Chlorine, liquid	ton	138,999	8,792,120
Chloroform			
Chocolate coating: Liquor	_		1
Sweetened:			
For sale	lb.	14,746,742 11,570,467	4,976,149
Choppers and grinders, food	No.	706	328,773
Churns	_	-	1
Cider (for sale)	M	319,595	22,518,284
Cigars ² Cigarettes ²	. 77	32,777,573	439, 366, 706
Classifiers, metal-working Clay, bentonite and other	. -		524,732
Cleaners, vacuum and parts			10,050,457
Cleaner, hand	. -	-	148,829
Cleaner, automobile, fabric, floor, etc	. 1b.	46,521,006	1,257,574 6,996,749
Cleaning preparations, n.e.s		-	3,979,279 1,147,210
Clips and staples, wire	. -	1,258,779	1,147,210 4,131,311
Cloth, asbestos	1,00	2,200,110	282, 117

 $^{^{\}rm 1}$ Indicates that the commodity was reported by one or two concerns. $^{\rm 2}$ Includes excise duties and sales tax.

Alphabetical List of Commodities, 1958 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Cloth, gummed	_	_	154, 294
Clothes hampers	-	-	119,814
Clothes driers, electric and gas		-	11,464,812
Clothes line	-	-	430,045
Clothing hospital		_	705, 206 1, 246, 925
Clothing, hospital	_	=	271,720
Clothing, oiled and waterproofed n.e.s. (see also "Raincoats")	-	_	543,590
Clothing, plastic, n.e.s. (see also "Aprons" "Raincoats" and "Coats and capes")	_	- 1	96.244
Clothing, rubber n.e.s.	_	_	1
Clothing, safety	_	-	268, 282
Clothing, n.e.s	_	-	2,815,845
Shorts:			
Women's and misses':			
Cotton	doz.	76,818	1,671,922 17,003 54,277
Rayon	"	534	17,003
Wool and wool mixtures	**	1,025	54,277
Not specified		198	7,338
Cotton	44	36, 367	495,085
Not specified	0.0	3,004	124, 174
Boys':			
Cotton	44	7,004	81, 177
Not specified	0.0	4,047	107,264
Children's:	40	05 200	787, 404
Cotton	44	95,322 7,991	132, 368
Not specified	66	1,851	28, 413
Not specified	66	1,851 15,705	552,913
Slacks and jeans:			
Women's and misses':		0 440 500	F 600 605
Cotton (including jeans)	No.	2,449,536	5,600,665
Rayon	66	228,746	701, 315 2, 210, 685
Wool and wool mixtures	66	457,346 100,250	353, 550
Not specified		200,000	,
Children's:			
Cotton (including jeans)	44	2,421,258	3,470,137
Rayon	**	191,498	400,448
Wool and wool mixtures	66	324,761 182,591	722,232 259,947
Not specified		102, 551	203, 341
Suits, sport: Ski and snow suits:			
Women's and misses'	- 44	866	251,465
Children's	44	89,310	5, 287, 444
Other, not specified	**	12	792
Other sport suits:	**	0.600	253,000
Women's and misses'		8,600	233,000
Children's:		6,087	240, 294
Cotton	44	6,508	182, 156
Other	_	_	814,300
Clothing, sport, other, n.e.s.	_		2,329,542
Coats and jackets:			
Men's and boys' overcoats and top coats:			
Regular models:	No	17,515	222, 336
Boys'	No.	477,945	14, 173, 031
Men's and youths'			
Boys'	-	_	1
Men's and youths'	No.	12,509	163, 257
Women's and misses' coats:			
Regular models:	44	92,412	1,048,241
Rayon	44	1,341,553	32, 628, 970
Woollen	44	144,914	4, 317, 113
Other	44	12, 228	134, 531
Children's coats:	1		
Regular models:			2 500 505
Woollen	66	832, 327	8,728,787 403,602
Rayon	44	74, 563 57, 682	275, 597
Not specified	_	31,002	1
Station wagon		_	35,300
Other coats, not specified	No.	221,410	1,700,549
Men's and youths' separate jackets:			44 400 001
Civilian	44	711, 189	11, 408, 901 976, 324
Military	**	72, 556	910,324
Women's and misses' senarate jackets:	44	37,681	538,150
Wool and mixtures	11	11,090	76,747
Rayon and mixtures	44	41,777	76,747 309,630
Cotton	4.6	6,830	227,532
Other			000 100
Children's separate jackets: Wool and mixtures	44	227,845	839,487
Cotton	66	112,056 3,954	321, 207 11, 939
Cotton			77,000
Cotton Rayon and mixtures Other	- 11	15,500	29,500

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			š
oats and jackets—Concluded: Coats, blazers and jackets, not specified	-	-	206, 83
Wool and wool mixtures: Men's and youths'	doz.	83,354	8,980,26
Boys' Children's (under 14) Women's and misses'	66	30,420 18,805	2,305,84 1,066,51
Women's and misses'	44	9,124	695,62
Not specified	64	658	118,00
Men's and youths'	00	73,872 17,569	5,431,92 958,00
Boys'	44	55,010	2, 119, 57
Women's and misses'	44	28,633 2,181	2,811,84 340,00
Not specified Leather:			
Men's and youths' Boys'	66	26,541 2,144	3,770,21 229,12
Not specified	4.6	2, 144 2, 225	229, 12 286, 15
Rayon: Children's	68	11,232	568,45
Women's and misses'	66	7,587 361	584,38 19,97
Not specifiedOther:			
Men's and youths'	44	57,427 34,872	5,065,50 1,909,30
Boys'	66	6,883	333,62 1,577,31
Women's and misses' Not specified	**	19,371	1,577,31 4,01
Raincoats:			
Plastic: Children's	No.	100,483	111,02
Men's and youths'	68	123,533 81,769	111,02 324,29 165,28
Women's and misses' Not specified	44	15,840	20,80
Rubber and rubberized: Children's	_		1
Not specified	-	-	5,00
Showerproofed and waterproofed: Children's	No.	13,001	96,07
Men's and youths'	66	30,713 212,199	412, 40 2, 878, 31
Women's and misses'	_	212, 199	385,33
Coats and capes: Oiled	_	_	6. 25
Plastic	doz.	30,646	6,25 549,70
Rubber, rubberized and showerproofed	**	32,862 7,345	3,026,36 329,06
Coats, fur:	No.	102	8,74
Children's Ladies' (Coats, jackets, etc.)	6.6	210,602	48,661,78
Men's	66	95 1,189	22,05 152,74
" " not specified	-	_	1:
Coat platesoating, industrial (plastic) (see also "Enamels, pipe-line")		Ξ.	593,7
obalt naphthenate ocoa (made for sale)	lb.	6,731,133	3,737,74
ocoa butter:	10.	0,101,100	1
For sale		_	1
ocoa and chocolate preparations n.e.s. (For sale)	1b.	12, 258, 308	6,021,9
ocoanut, prepared and desiccatedoffee-makers, electric	No.	108,009	1,374,6
offee-makers, glass	1b.	8, 192, 488	407,6 25,318,2
offee, roasted	66	81, 146, 686	61,607,3
offee, substitute	_	_	·
offins (shells or rough boxes) (see "Caskets and coffins)	ton	9 499 105	52.641.9
oke, gas-house*	ton	3, 483, 105 487, 059	6,759,3
oke, pitchold storage equipment (see "Refrigeration equipment")	e4	8, 155	163, 2
ollars and cuffs	_	470 000	54,4
ollars, fur olours, food	No. lb.	178,063 4,413,338	997,5 681,9 12,674,0
olours, dry		40,309	12,674,0 307,6
olours, in oil and japan	gal. doz.	1,810,046	1, 139, 3
Comforters:	No.	70,386	303,1
Cotton	11	2,773	51,0
Wool	80	2,773 41,748 25,425	51,0 243,1 161,5
Not specifiedommunication systems (see "Radio communication equipment")			156,0
Compacts (only), powder and rouge	_	_	6,808,0
Compressors and condensing units (refrigeration)	_	-	2,644,5

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
Concentrates used for soft drinks (see also "Extracts, etc.")			\$
Concrete, ready-mixed	cu. yd.	7,390,482	8,017,201 91,361,517
Concrete products, n.e.s. Condensers, evaporation (refrigeration)			15,706,493
Conduit, fibre	_	_	247,025
Conduit, flexible, metallic	-	-	1
Aluminum			1
Electrical, metallic tubing	lb.	6,880,838 31,025,733	1,862,904 7,169,564
Conduit fittings and accessories	-	_	7,307,714
Cones and tubes, textile winding	M	351,023	1,836,939 1,299,751
Confectionery, chocolate: In bulk	12	10 004 504	
In bars	lb.	16,994,504 58,706,880	7,410,361 37,561,610
In packages	44	22,366,073	15,847,545
Not specified	**	2, 452, 816 169, 762	1,932,533 93,351
Confectionery, marshmallow: In bulk	**	1,760,225	430 200
In packages	66	5,968,669	430, 208 1,553,721 22,965
Not specified		91,860	22, 965
In bulk	6.6	43,870,801	11, 211, 289
In bars	6.6	3,110,131	1,470,346 11,859,940
Penny goods	00	3,110,131 33,658,866 14,612,185 1,937,702	4, 103, 111
Toffee:		1,937,702	426, 264
In bulk	60	767,077	236, 429
Confectionery, not specified	4.6	4,849,466 300,665	1,856,258 93,759
Confectionery mixes (see "Icings and candy mixes) Containers, n.e.s.		_	1,902,422
Control and starting equipment, industrial, n.e.s.	_	- Mari	24, 238, 189
Converter equipment, electrical	No.	18,014	3,949,709 1,332,846
Coolers, milk and other	44	519	113,691
Cooperage, slack, not specified	_	atom .	120,602 10,688
Copper alloys	-	-	1
Copper and copper products, n.e.s	_	_	513,351
Cores for small paper rolls	-	-	707, 147
Cores, lumber	_	_	1, 047, 863 85, 873
Com for popping	-	-	1
Corselettes	doz.	40,810	1,764,404
Girdles with rigid panels, plus elastic	66	152,957 129,164	7, 271, 740 4, 502, 520
Bandeaux brassieres	44	819,148	11,672,642 3,150,857
Longline brassieres	46	122,391 22,436	3, 150, 857 135, 813
Shoulder straps, girdle blanks, etc.	_	22, 100	269,881
Cosmetic containers and other cosmetic accessories, n.e.s. (see also "Compacts")	-	-	1
Unbleached or grey	lb.	67,090,877	-
Bleached or white	yd. lb.	191,880,164 10,926,314 35,301,955	47,022,920
	yd.	35, 301, 955	10,795,673
Printed and painted Yarn and stock dyed	lb. yd.	26, 157, 512 80, 198, 769	28,459,988
Piece dyed	lb.	20,708,035 66,698,318	22 024 481
Not specified	yd.	00,090,310	22,924,481 1,356,934
Counters, shoe	pr.	24, 552, 104	895, 162 520, 981
Couplings, flexible, etc	_	_	3,188,449
Covers, baby carriage and crib	doz.	5,346	57,886 376,594
Covers, boat and car	_	_	2,926,889
Covers, couch, table and other furniture	doz.	39, 109	1,176,018 474,898
Covers, mattress	GO LIS	00,200	
Covers, seat, automobile		_	3,662,768 1,782,395
Crates, shipping	-	-	1,866,846
Crayons, wax and chalk	1b. b.f.	1, 103, 114	637, 593 650, 841
Cream, other, sold by dairy factories	lb. b.f.	12,548,969	47,015,891 9,624,813
Cream transferred to branches of firms reporting	lb. b.I.	207, 163	168.710
Cream separators	-	_	1
Croquet sets	_	_	690,014
Crushers, rock, and parts Cruffs, fur	pr.	524	2,033,673 2,799
	Dra	12,608	3,323,643

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Cups, paper, baking, bonbon, etc.	M	1,894,249 976,688	2,922,232 6,658,087
Turtains shower		-	362,766 2,650,948
Curtains, fabric Curtains and drapes, plastic, rubber, etc.		_	1,322,621
Curtain rods and fixtures		-	2, 154, 160 1, 148, 192
Oushions Cushion forms	No.	16,299	23,932
Cushion tops		119,090 218	110,942 7,351
Cushions, mats and pads, air and sponge		_	154,007
Outling blocks and tables, butcher Cutlery, all kinds (see also "flatware")		589,682	2,547,655 307,878
Cyclohexonal and dicyclohexonal phthalate		-	2,112,709
Dairy products, not specified	-	_	965, 204
ecorations, including party favours and confettl, etc		-	1,758,518 10,798,790
Dentifrices		=	199,340
Deodorant (personal)	*********	_	3,607,680 856,751
Deciderant (not personal)			289.558
Netergents	1b.	198, 324, 173 18, 936, 948	57, 474, 411 1, 634, 404
Dextrine Dextrose		_	1,634,404
Narias printed etc	No.	968, 141	565,262
Dicyandiamide		_	1
Dies, stamping, drawing and cutting		_	668,708 12,309,979
line tane and stocks		-	1,223,115
Dies. Flibber. etc.	2121010101010	_	970,055
Discs, agricultural (see "Ploughs")			1
Discs for cartridge cases	*********	Ξ	485, 127
Dishwashers, electrical, commercial and other	NO.	2,554	1,684,694
Disinfectants Displays, advertising		_	1,324,519 10,231,872
Display forms, mounting, etc. Distillers' grain (see ''Grain, brewers' and distillers'')			1,211,755
Distillers' grain (see ''Grain, brewers' and distillers'') Ditchers, blade		_	1
Dog collars and harness		13,701,600	163,471 125,057
Oollis, all kinds		170, 820	4,041,095
Oolls, all kinds Dolls' furnishings and parts		_	4,041,095 704,704 7,480,063
Doors, aluminum (solid and clad) Doors, folding		_	2,751,582
Doors, metal and metal clad (excluding aluminum)		2,598,807	5,788,749 17,990,16
Doors, not specified		_	4, 153, 62'
Doughnuts		_	12,401,837 453,134
Dowels			2,876,38
Drapes and drapery material Drasserware, plastic		_	1
Dresses, children's:		2, 138, 257	5,164,555
Cotton		494,753	2, 215, 830
Rayon and rayon mixtures		646,071 162,512	2,774,999 633,040
Wool and wool mixtures Not specified		28,026	170, 360
Dresses, women's and misses': Cotton (see also "Coats, brunch coats, house coats, etc.")		5,936,215	24,450,149
Nylon		333,544	3,938,61
Rayon and rayon mixtures Wool and wool mixtures		4,370,434 1,080,577	37, 912, 18 13, 180, 03
Wool knitted quite and dragges (including children's)		47,868	469, 59'
Not specified		448,490	5, 133, 13
Dressing, saladDressing, salad	lb.	31,095,461	7,809,953 1,636,16
Dressings and finishes, leather, (not including polish) Drilling machines (metal working)	No.	685	221, 12
Drills, grain and fertilizer (combination)		8,469 606	4,860,758 93,763
Drills, grain, press and plain	*********	_	14, 153, 35
Drills, diamond and rock			2,494,82 869,79
Drives, V-belt Druggists' sundries:			230710
Hot water bottles			
Nipples and soothers	-	-	372,30
Not specified			819, 26
Drums, veneer, plywood and other			
Dyeing and finishing of textiles		716,682	9, 238, 33' 234, 20
Dyeing and finishing of yarns			1,368,14
Bleaching, sponging, dyeing, etc. (custom)		-	2,831,51

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
yes, blended and packaged	-	-	130,6
yes, leatherar muffs	_	-	25, 4: 71, 8:
avetrough and pipe (see "Roof drainage equipment)			
conomizers	No.	601,737	534,5° 386,1°
gg case fillers		-	1,898,3
ggs, frozengg substitute, including powdered albumen	lb.	3,535,911	1,343,2' 12,1
lastic products, not elsewhere specified	_	_	1,220,4
lectric heating elements (sold separately) lectrical apparatus, parts and supplies n.e.s. (excluding "Carrier current equipment") lectrical instruments (see "Instruments, etc.")	_	_	5,021,50 8,951,80
lectrical instruments (see "Instruments, etc.")	_		0,301,0
lectrodes, carbon and graphite	-	_	1,063,70
lectrotyping and stereotyping	_	=	11, 127, 31 11, 539, 8
levators, freight and passengerlevator parts	-	_	11,539,8 1,882,3
mbalming fluid	_	=	245,3
mbossing	-	-	477,6
mbroiderynamels, oil and synthetics (included in "Paints and enamels")	_	_	4,039,2
namels, pipe-line	-	-	1
ngines, aircraft (included under "Aircraft and parts") ngines, auto	_	_	1
ngines, auto, parts		_	1
ngines, diesel	No.	525 101,564	9,718,3 17,104,1
ngines, (steam turbine, marine)	-		1
ngine partsngraving (trade work)	_	_	4, 198, 2 634, 1
nsilage cutters		_	1
nsilage and forage harvesters	No.	4,208,033	859, 1 19, 085, 7
nvelopes, madescalators	M _	4, 200, 033	954,8
thanolomines	-	-	1
hyl acetatehyl hexonal	_	_	1
thylene and ethylene dichloride	-	-	1
thylene oxidevaporators (fin coil, ice-makers, etc.)		_	2.762.3
xcelsior, paper	ton	1,203	2,762,3 66,9
xcelsior, woodxcelsior, wrappers, mats and padsxcelsior.	No.	6,049 8,079,579	326,6 180,7
xplosives	_	-	1
xtracts, flavouring (bakers', confectioners, household, etc.)xtracts, flavouring, etc (used for soft drinds) (see also "Concentrates")	lb.	80,665	5,888,4 730,4
abrics, coated and impregnated, including felt saturated, book cloth and shoe mate-	15.	,	
rialsabrics, rubberized and waterproofed		_	6,582,6 611,8
abrics, other, n.e.s.	_	-	3, 108, 0
ace cloths	-	- 1	1,056,
acial tissue, (see "Tissues, cleansing") acing and parting, foundry	_	_	643,
anning mills	No.	142,368	1,637,8
ans, electric	- 140.	_	1,212, 7,748,
asteners, zipper	ft.	96,238,399	7,748,9 1,022,8
asteners, other than zipperastener parts	_ 1	=	221,
eathers and down, millinery and other		E00 010	738,5
eed, chopped graineed cutters'')	ton _	528,212	28, 138, 8
eed. poultry	ton	1,465,506	124, 989,
eed. stock		1,455,377 32,298	105,823,8 2,497,5
eed, stock and poultry, n.e.s.	_	_	2,798,
eds supplements, n.e.s. elt, coated and saturated (included in "Fabrics coated, etc.")	lb.	10,606,847	1,365,5
elt, cotton	10.	332,575	304,
elt, industrial and automotive (uncut)	_	_	1,370,
elt, insoling, uncutelt, jute		_	1
alt sala	- 70	3,345,182	2,320,
elt, padding	sq. yd.		
elt. nennant. crest and fancy lining	**	555,098	386,6 274,1
elt. shoe and gaiter	-	288,820	14, 142,
elt, for pulp and paper making elt, punch felts, n.e.s.	sq. yd.	312, 184	279,
elt. n.e.s.	_	_	489, 153,
elt goods, n.e.s.	No.	12,827	126,
ences, ornamental Iron	ton	150	58,3
encing, steel wire: Farm fence		13,390	2,933,
	44	1,432	370,

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Pencing, snow	_	_	431,145 20,093,717
Ferro-alloys, (Ferro-silicon, ferro-chrome, ferro-manganese, silicon spiegel, etc.) Fertilizers, complete		796,059	20,093,717 42,082,530
Pertilizers, other than mixed including ammonium nitrate (fertilizer grade), ammonium phosphate, calcium cyanamide, ammonium sulphate and superphosphate		_	54, 282, 048
Pibre glass products n.e.s.	. -	- 170 000	335,075
Fibre, staple and towFiles and rasps		33, 172, 030	19, 314, 891
Filing system suppliesFilling, pie, apple	l lh	9,102,695	3,963,441 1,249,851
Filling, pie, other than apple	66	20, 075, 952	4, 284, 369
"illing, pie, other than apple "illing, pie, other than apple "illing, pie, powder, (included in "Powders, pudding") "ilms, motion picture "ilms, photographers', including X-ray films	-	-	1 7
inters, air, on-burner, digarette, etc		_	3,522,54
Filters and elements, oil (automobile)	No.	6,793,707	6,304,508
'ire clay	ton	8, 190	44,73' 2,385,54
Fire extinguishers, hand-type	_	Ξ	4,090,889
Pireplaces and furnishings Pireworks (see "Pyrotechnics")	_	_	873, 733
Fish, canned	case	2,959,091 120,855,000	65,022,000 18,986,000
Fish, otherwise prepared	64	357, 236, 000	82,873,000
Fishing nets and nettingFishing tackle		Ξ	2, 225, 199 3, 037, 51
Fixtures, lighting: Commercial and industrial		_	19, 184, 649
Residential		_	19, 184, 64 7, 525, 42 3, 826, 73
Searchlights and floodlights		-	1,014,31
Other lighting equipment	100		140, 29 313, 10
Flashlight casesFlatware, electro-silver plated and sterling (see also "Cutlery")	No.	127, 267	131,05 6,543,73
Flint for lighters		8,784,092	247,23 614,66
Floor cleaning equipment, n.e.s.		-	333,45
Floor covering, including linoleum, etc.	M ft. b.m.	74,294	14, 322, 64
Flooring, sheet rubber	1b.	961, 136	271,75
Flooring, metal	_	~ <u> </u>	709, 16
Flotation machines	-	_	1 1
Flour, buckwheat		Ξ	i
Flour, potato (see "Starch and flour") Flour, prepared and self-raising cake mixes, pie crust, etc		108, 139, 750	20,099,69
Flour preparations for sausage fillings	_	-	1
Flour, soya beanFlour, wheat:	1		00 888 088
Spring, No. 1 patent including Semolina Spring, No. 2 patent		7, 286, 525 11, 947, 972	33,775,07 49,205,00
Spring, No. 3 patent Ontario, winter	**	14,088,706 2,784,358	56, 146, 64 11, 198, 07
Low grade flour		2,705,556	9, 505, 13
Durum Semolina	"	752,463 1,122,829 461,966	3,553,54 4,446,04 1,837,77
Flour, graham or whole wheat	**	461,966 141,560	1,837,77 522,51
Plowers, artificial	- 1	Ξ	2,284,96 1,691,44
Tly pads and paper	-	-	-
'ly swatters'oil (aluminum) laminated with paper or board (see "Paper board")	doz.	91,681	93,81
FoilFoil products, n.e.s.	-	_	10,763,67 1,401,54
Folding (trade work)	1	6,655,654	497,73 6,405,68
Food drinks, liquid (see also "Powder food drinks")		0,000,004	1
Bird food		_	1
Dog biscuits	ton	4,320 68,165	1, 126, 61 13, 851, 05
Other dog and cat food	"	11,937	2, 094, 28 340, 97
Other fox food		2,547 23,258	2, 542, 23
Food, stock and poultry n.e.s. (see "Feeds") Food mixers	_	_	2,735,19
Food, infant and junior (pre-cooked cereals)	lb.	8, 124, 444 63, 062, 135	2,757,43 18,979,93
Food, infant and junior, other, canned		-	57.40
Foods, frozen, n.e.s	1b.	5,758,087	2,948,045 3,239,525
Food warming equipment (except electric) Foots, vegetable oil		3,366,673	1,307,094 228,408

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
Footwear, leather: (see also "Slippers"):			\$
Felt uppers (including felt slippers): Babies'	73.0	16 401	14 20
Boys'	- 6.6	16,401 14,631	14,309 36,61
Children's, including little gents		26,690	50,84
Youths'	6.6	198, 144 5, 506	573,98- 13,39
Misses'	6.6	14.469	32,533 49,91
Women's and growing girls		34, 282	49,91
Babies'	64	3,134,736	6,026,27
Boys'		1,513,598	5,426,43
Men's		6,572,405	15,734,87
Youths'	66	7,811,445 424,100 16,917,413	44, 186, 52 1, 167, 06
Women's and growing girls'ootwear, moccasins, including shoe packs:		16,917,413	63, 531, 43
Babies'		29, 102	30,37
Boys'		20,300	42.26
Children's, including little gents		28,640	30, 97
Youths'	4.6	128,837 1,586	334, 22 2, 39
Women's, misses' and growing girls'	4 4	290,018	511, 16
Tootwear, leather, n.e.s.	************	142,988 2,552,462	496,61
Footwear, rubber:	W-A-A-M	4,002,402	2,759,21
Knee and hip boots, all rubber		1, 113, 131	3,721,15
Lumbermen's boots, all rubber		241,773 114,206	1, 259, 42 708, 97
Overshoes and galoshes, cloth uppers	4.6	589, 528	2,310,60
Overshoes, all rubber (lined and unlined)		589,528 2,837,915	2,310,60 8,876,80
Light and heavy rubbers		2,525,839 156,650	3,438,55 413,65
Utility footwear with canvas or other fabric tops	4.6	2, 159, 631	3,796,59
Pootwear, not specified		19,777	3,796,59 275,83
Forgings, iron and steel	ton	51, 145	18,915,03 7 509 30
Forks, (farm implements)	No.	216,428	7,509,30 481,12
Formaldehyde		21,836,204	1,619,69
Forms, continuous, printed		_	27, 373, 26
Frames and cases, spectacle	No.	662,870	1,279,04 7,098,28
Freezers, individual, home and farm		33,555	7,098,28
Freon		_	695,65
Frit, enamel	–	-	1
Fruit drinks	1b.	103, 458, 814	3,934,12 7,424,18
Fruit juices, concentrated (frozen)		100, 400, 014	1
Fruit peel, candied	lb.	3,768,022	1,122,51
Fruit pulp	-	-	·
Apples, including crab apples	1b.	13,863,755	1,460,85
Apple sauce		13,559,160	1,371,63 708,16
Apricots		3,804,910 98,613	21,56
Blueberries		1,613,448	416,49
Cherries		8,341,647	1, 470, 20
Loganberries Peaches		48, 857, 419	7,928,19
Pears		24,792,441	3,947,86
Plums		9,332,780 2,955,346	1,031,47 704,56
Rhubarb		226.382	19,89
Strawberries		2,122,746 6,237,498	539,74
Fruit cocktail and fruit for salad	*****************	4,850,067	1,621,06 942,42
Other fruits, not specified, pineapple, etc		784,710	296, 23
7ruits, glacé		5, 257, 658	2,458,14
Fruits, marashino cherries		3,446,366 7 278 515	2,034,37 1,020,12
Fruits, frozen, not for reprocessing	**	7,278,515 22,728,377 4,914,708	4,320,01
ruits, in SO ₂ for reprocessing		4,914,708	527,56 691.08
Fruits and flavours for ice cream	gal.	804,441	151,83
Try pans, electric		293,675	3,451,31
Tuel, hog		-	588,07 5 508 40
Fur dressing and dyeing		_	5,508,40 2,023,44
Fur remodelling, repairing, etc.	-	_	2,023,44 6,087,11
Furnaces, warm air	No.	175,801	32, 120, 90 855, 95
Furnaces, industrial			1,335,11
Furniture, wood:			
Camp, lawn and verandah	**************************************	-	386,87 3,695,37
Children's Household:	_	-	
Bedroom	-	-	36, 194, 24
Breakfast room	_	- 1	1,303,15

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Furniture, wood — Concluded: Household — Concluded:			
Kitchen	_		5, 294, 550 8, 849, 621
Other	_	_	3, 403, 103
Office, store and restaurant School, church, lodge, etc.	Ξ		19,309,129 9,861,213
Other, furniture and cabinet work, n.e.s.	-	-	10,416,928
Pumiture, metal: Breakfast room	_	_	14.942.158
Camp lawn and verandah		-	14,942,158 4,157,881
Children's Household, n.e.s.	_		244,473 2,953,480
Office, store, restaurant, theatre, school, etc.		-	14, 986, 067 9, 246, 327
Other not specified	_	-	
Household (upholstered or not)	_	-	118,739
Living room (upholstered) Not specified (upholstered)	_	_	58, 164, 216 5, 375, 553
Furniture, not specified:			
Camp, lawn and verandah	_	_	97,319 2,833,347
Other not specified	_	_	2,047,186
Furniture frames and parts:	_	_	7, 150, 400
Metal	-	-	7,150,400 1,051,209 1,309,718
Not specified	_	_	1,309,718
Puses and fuse wire	-		4,648,710
Faiters, spats and leggings (children's)	doz.	6,612	109,942 1,458,085
Sames, not specified	_	am.	2, 163, 920
Garage equipment, n.e.s.	_	_	2, 136, 284
Gas made:* Retort coal gas	Mcf.	4,458,601	-
Coke oven gas	44	46,968,290 192,325	-
Producer gas	66	928, 160	_
Other	66	841,764	7 610 420
Gas, dry*	61	101,851,474	7,619,430 6,548,904
Gas used in own coke or gas plants*	66	12,607,586	3,935,892 7,420,216
Gas used in associated metallurgical work*	**	4,674,187 12,607,586 28,913,734 2,734,841	1,746,867
las, sold las used in own coke or gas plants* las used in associated metallurgical work* las, otherwise accounted for, but not sold* las, not accounted for*	**	-2, 166, 867	619,793
aas, not accounted for Gas, still, from petroleum refineries* Gas, oil pintsch Gases, liquified petroleum*	Mcf.	18, 100	17,553,203 348,624
Gases, liquified petroleum*	_	_	16,594,287
Gaskets	bbl.	91,872,967	635, 420, 469 4, 149, 221
Gas producing apparatus and parts		25 410	
Gates Gauges, pressure (included in ''Instruments'') Gauges, plug, ring, thread, etc.	No.	35,419	775,688
Gauges, plug, ring, thread, etc.		- COE	725,011
Gears, rubber tired, truck, trailers, etc	No.	5,635	569,290 2,173,749
Gelatine		_	_
Generators (alternating current)	No.	98	27,427,190 4,789,948
Glass, bevelled and polished edge, plates and sheets	-	-	1,030,661
Glass, cut (tumblers, bowls, etc.)			985,489 248,679
Glass, non-shatterable Glass, pressed, blown and drawn, including bottles, sealers, windows, kitchenware, etc.	_	_	21 035 715
Glass, pressed, blown and drawn, including bottles, sealers, windows, kitchenware, etc. Glass vials and chemical glassware	_	_	55,868,774 526,702
Glassware, decorated	_	_	55,868,774 526,702 821,714 2,847,568
Glass products, other	_	_	2,847,568
Glasses, sun	_	_	907,881
Gloves and mittens, fabric, dress: Cotton:			
Women's	doz. pr.	35,639	564,982
Men's	44	4,086	64,338
Not specified		91,831	7,237 1,269,840
Nylon, all types	doz. pr.	50, 282	684, 183
Gloves and mittens, fabric, work:			, i
Cotton: Men's	**	623,765	1,870,051
Women's	66	623,765 17,300 28,900	41, 100
Other not specified, including leather-faced	"	28,900 41,700	159,534 159,468
Gloves and mittens, fabric, n.e.s.	"	_	483,687
Gloves and mittens, knitted	6.6	75,974	655,868
Men's lined	**	102, 188	2,522,030
Men's unlined	44	102,188 31,206 32,837	2,522,030 627,602 378,923 237,135
Women's and children's, lined			

 $^{^{\}mbox{\scriptsize 1}}$ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
Gloves and mittens, leather, work:			\$
Men's lined	doz. pr.	64,959	930, 378
women's and children's. lined	42	418,519 38,471	3,968,476 320,966
Women's and children's, unlined		4,196	36,244
Gloves, plastic, coated and rubberized	66	17,036 225,368	195,863 701,710
Gloves, rubber		212, 871	1, 139, 383
Glue (bone, hide, fish and vegetable)	lb.	48, 156, 913	9, 166, 965
Glue stock Gluten feed		35, 143, 008	161,464
Glycerine, crude	lb.	1,603,992	200 044
Glycerine, refined Glycols, not specified	66	12,528,008	309,044 3,740,714
Goggles, safety	_	_	i
Gold leaf	_	_	3,732,746
Golf clubs (complete)	No.	312,510	1,967,601
Grains, roasted Grains sold wet and dry (Brewers' and distillers')		100 105	1
Granite monuments	ton —	192, 105	3,662,861 4,351,750
Granite, for building purposes	_	_	1,217,137
Grape concentrate	-	-	1
Grape julce (included in ''Fruit juices'') Graphite (included in ''Electrodes carbon and graphite'') Grate bars and grating			4 000 000
Gravy preparations	lb.	4,058,073	1,369,033 979,081
Grease, lubricatingGrills and hot plates, electric, including stoves for glass coffee makers	No.	125,119	1,255,147 693,478
Grinding machines (Metal working)	_	_	315, 635
Gums, unvulcanized	lb.	1,073,070	460,575
Gymnasium supplies, not specified Gypsum blocks and sheathing	sq. ft.	13,650,817	443,635 620,062
Hair, animal Hair nets (included in "Hair dressing equipment and accessories")	lb.	4,527,978	1,013,401
Hair processed (resilatex)	-	-	107 100
Hair dressing equipment and accessories	. .		107, 109 1, 276, 394 89, 011
Halters, leather Handkerchiefs	No. doz.	39,016 194,788	89,011 384,856
Handles, broom and mop	No.	7,461,322	604, 186 996, 701
Handles, small tool	4.6	1, 932, 360 14, 775, 417	907,003
Handling equipment, n.e.s.	_	_	2, 196, 676 4, 968, 362
Hangers, garment Hardware appliances	_	_	1,608,432 457,280
Hardware, automobile Hardware, builders'	_	_	7, 224, 991 19, 477, 798
Hardware, casket	_	-	377, 204
Hardware, harness and saddlery	_	Ξ (6,675,942
Hardware, pole-line (line materials, distribution specialties, etc.) Hardware, trunk and suitcase	_	_	12,305,422 441,418
Hardware, not specified	set	271	5,047,720 37,134
Harness, single	No.	610 7,649	32,578
Harness parts			40,047 178,352 3,634,307
Harrows, disc (horse or tractor drawn) Harrows, drag and spring tooth	No.	11, 158 24, 391	3,634,307 334,904
Harrow carts	_	_	873,835
Hat blocks	-	*****	89,047
Hats, cotton: Men's	doz.	13,433 11,223	123,583
Women's	44	11, 223 10, 321	282,494 101,522
Hats, fur felt: Men's	46	88,559	4,932,813
Women's	4.6	21,882	1, 240, 947
Children's	doz.	2,749	75,412
Hats, wool felt: Men's	4.4	19,673	471,023
Women's Children's	44	45,437 9,280	1,362,137 144,277
Hats, velour felt:	44	1	
Women'sOther	4.6	57,887 410	2,745,468 10,977
Hats, straw: Men's	16	22,644	542,306
Women's	11	80, 162 24, 478	3,515,357

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Hats, panama	doz.	3,862	159,848
Hats, silk and rayon, men's, women's and children's	**	27,621 44,891	718,301 1,433,535
Hats, velvet, women's and children's	6.6	3,601	85,222
Hote novelty carnival etc	_		216,815
Hats, novely, cannul, etc. Hats, waterproofed and oiled Hats, not specified:	_	_	
Men's	doz.	6,677 43,241	48,492 876,611
Women's	66	36, 131	199, 631
Headwear including tams, berets, etc. Hats and caps, fur (see also "Caps, fur")		_	1,357,901
Hats and caps, fur (see also "Caps, fur")	doz.	283	30, 647 36, 100
Hat hodies	doz.	145,533	2, 170, 471
Hatters' supplies, including hat linings	No.	149	289, 299 30, 525
Hay loaders Hay rakes, dump, tedders, etc.	44	8,784	4,872,487
Hav halers	**	10, 212	9,990,060 332,643
Heading, barrel Hearing aids	_	_	1
Heaters air electric :	No.	106, 193	1,634,050 2,807,252 4,985,702
Heaters, auto and engine Heaters, electric, unit	No.	19,637	4,985,702
Heaters water tank coal wood or oil	11	988	151,318
Heaters water tank gas	66	85,364 398,183	5,984,328 3,519,679
Heaters, water tank, electric Heaters, water, electric, including tanks and controls	_	- 030, 103	3, 112, 067
Heaters not specified		-	49,433
Heating and ventilating equipment, n.e.s.	_	_	21, 220, 271 74, 302
Hectograph composition Heels, leather, wood, etc.	pr.	24, 869, 643	5,065,830
Heels, rubber and composition	8.6	15, 951, 433	2,023,403
Heel lifts Helmets	_	_	1
Hexamethylenediamine	-	-	1 11 000 121
Hides, all kinds Hockey pucks	doz.	62,232	11,080,131 84,711
Hockey sticks	No.	2,710,283	1,839,423
Hoes, hand	_	_	3,069,830
Holists	_	-	1
Hollow-ware, sterling silver	_	rando .	248,672
Hollow-ware, silver-plated on Britannia metal		_	46,872 1,223,892
Hollow-ware, silver plated on lead alloy	_	-	1
Hollow-ware, silver plated on nickel silver	_	_	97,347 292,400
Hollow-ware other	_	_	227, 998
Holster sets (tov)	_		1
Honey butter Hooks, eyes, notions, etc., n.e.s.	_	_	1
Hoops, wooden Hoops, steel and steel wire (included in "Sheets, hoops, bands and strips, iron and steel").	No.	3,365	133, 940
Hoops, steel and steel wire (included in "Sheets, hoops, bands and strips, iron and			
Hooves and horns	lb.	1,533,375	32,083
Hormones, sex	lb.	697, 484	3,017,526 301,652
Horseradish, prepared			86,674
Hose, fire, cotton	ft.	2,642,025	888,518 1,144,523
Hose, fire, rubber and rubber lined	ft.	18, 248, 354	1,034,097
Hose, garden, rubber	66	8, 030, 088	976,213 9,617,373
Hose, other	_		9,011,313
Cotton and cotton mixtures:			
Men's seamless: Work socks	doz. pr.	005 400	1 104 405
Fine socks		285, 183	1, 194, 427
Other (anklets, sport, etc.)	**	159, 999	696,800
Women's seamless: Full length stockings	44	78, 292	330,767
Other (anklets, sport, etc.)	4.6	486,822	1,607,572
Children's, seamless: Full length stockings	44	92,522	333, 102
Golfers	66	53, 158	182,069 1,167,593 156,198
Other	44	510, 200 17, 846	1, 167, 593
Full fashioned (all types)	doz. pr.	9,705	126,096
Rayon and rayon mixtures:	64	11,081	45,711
Men's, seamless	**	8,888	26,515
Children's, seamless	44	30,522	65, 165
Full-fashioned (all types) Included in "Hosiery, not specified"			
Nylon: Seamless	44	4,403,845	24, 363, 388
Full-fashioned	44	3, 072, 195	17, 563, 084
Wool and wool mixtures: Men's, seamless:			
Work socks	**	449, 750	2,587,224
Fine socksOther	44	415,618 372,840	3,477,413 2,954,145
VILLEGE		012,040	2,00%, IXC

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1958 - Continued

Alphanetical List of Commodities, 19	Unit of		77-1
Items	measure	Quantity	Value of factory shipments
Uogiasy, Canalyded.			\$
Hosiery - Concluded: Wool and wool mixtures - Concluded:			
Women's, seamless: Full length stockings	doz. pr.	30, 116	996 600
Children's, seamless:	11	47,887	236, 682 261, 173
Full length stockings	46	30, 162	203,870
Other (half length, anklets etc.)	**	56,553 145,158 177,087	257, 893 638, 147
Hospital agginment no c	- "	177, 087	1,094,618 1,836,932
Houses, pre-fabricated (see "Buildings etc. pre-fabricated")	_		1,730,274
Hydrants	No.	10 005	924,423
Hydrogen chloride, anhydrous	No.	12, 285	2, 201, 375 275, 467
riydrogen peroxide	_	_	1
Hydrol Lee, artificial	ton	381, 285	3,244,229
Ice cream mix	gal.	34, 176, 417	58, 824, 993
Ice cream sundries, n.e.s. Icings, icing paste and candy mixes	lb.	0 505 150	4,705,963 474,256
Implements, hand, n.e.s. Incense and incense charcoal	_	2,565,153	780, 182 978, 252
Incinerators	1b.	1,752	4, 131 389, 717
Incubators and other poultrymen's supplies Infants' wear (see also "Knitted infants' wear"):	-	-	127, 815
Bibs (including plastic bibs) Coats	doz.	206,722 28,285 109,012	448,303
Diapers	6.6	109,012	1,082,264 1,921,578
Diaper sets, etc. Headwear		797,481	2,014,818 480,596
Night gowns	doz.	92,210 100,964	720,022 598,452
Rompers Sleepers (see also "Children's sleepers")	6.6	61,076 88,982	715,580 1,018,411
Slips	e e 4 e	15,051 6,588	768,414
Not specified	-	-	33,440 468,591
Ink eraser, liquid	,-	-	1
ink, writing	1b.	30,678,860	14,622,310 345,387
Ink, not specified	_	_	468, 145 7, 814, 250
Instruments, (indicating, recording, controlling, etc. n.e.s.): Aircraft engine and flight instruments	_	_	15,557,307
Electric quantity instruments and accessories Flow and liquid level instruments and accessories	_	-	11,025,363
Optical instruments	-		3,752,945
Pressure measuring, inclining gauges and accessories	_	=	725, 165 974, 743
Temperature and hygrometric instruments and accessories Other instruments and accessories, n.e.s.	_	_	11, 123, 146
Other instruments and accessories, n.e.s. Insulating materials, n.e.s. (see also "Wool mineral" and "Vermiculate") Insulators, porcelain and insulator parts	_	_	8, 115, 444 2, 803, 747 7, 069, 045
Interoffice communication sets, excluding telephone apparatus provided	-	-	764, 281
Quantity made Quantity shipped	ton	3,059,579	04 070 000
Iron and steel products, rolled, n.e.s.	_	429,708	24,878,802 1,726,860 4,077,062
Irons, electric	No.	450,307	4,077,062
Ironers, electric Iron work ornamental and architectural	=	_	23,619,084
Ironing boards	No.	67,368	413,458 332,428
Jacks, lift, screw and ratchet	_		1
Jams	lb.	81,461,663	16,820,221
Javelle water	lb.	8, 201, 255	10,089,357 2,146,175
Jewellery	_	_	24, 867, 243 327, 215 2, 856, 771
Jointers, woodworking	_		2,856,771
Jute, jute paddings and jute yarn, etc. Kegs, beer	_	-	416,950
Kegs, fish	=	=	1 410 017
Kegs, nail, etc	No.	343,982	413,917 2,320,366
Kitchen equipment for hotels, cafeterias, etc. Kitchenware, aluminum, including pressure cookers.	_	_	8,044,165 7,477,151
Kitchenware and ovenware, glass (included with "Glass, pressed and blown") Kitchenware, other (see also "Woodenware, kitchen")	_		5,802,791
Knitted fabrics: Cotton stockinette, including meatwrap	lh.	1,739,742	1,501,184
Cotton, not specified	lb.	2,608,250	3,943,959
Nylon and nylon mixtures		2,291,582	8,761,306

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
itted fabrics — Concluded: Rayon and rayon mixtures	lb.	4,309,731	5,425,998 1,277,760
Wool		540,448 794,511	1,277,760 1,542,894
WOOI		,02,022	2,303,59
Inter goods, miscertaneous, infants' jackets, bootles, etc. Not specified	:: =	_	273,088
		_	292,890 1,396,780
itering, custom ives, machine nives, paring			1
			3,324,75 1,169,34
tibels, gammie paper, intographor, oco- biels, fabric		-	3, 163, 563 31, 75
ices, corset ices, shoe, (silk, cotton, etc.)		_	1, 298, 09
		2,752,935	3,12 8,505,66
ices, snoe, leather acquers		2,102,000	1,000,00
		_	2,100,74
adders, step, extension, etc.		_	2,100,74 13,208,96 18,026,02
uminates, plastic decolarie, industrial cor amps, incandescent, except therapeutic (bulbs) umps, fluorescent (bulbs)		7,098,152	5,684,15
		41, 256, 847	3,300,23 815,41
amps, mercury, etc. (bulbs)			
mps, electric: Floor			2,915,13 5,091,6
Table Table Other		_	1, 184, 66
		_	366, 19 2, 480, 40
umps, outer ump shades and wire frames unterns, including railway, marine, etc.		114 000 046	17,771,70
ard		114, 822, 946	2,377,7
	1111	4,763,155	2,081,2
atex compounds			
atex, roamed (Included in Aubbel goods, Spoile and Soc / athes, metal-working	No.	92	869,3° 4,691,1
		395,449,386	12,001,0
aths, wood		107,019	1, 154, 3
		50, 258, 044	6,164,3
ead, red		_	1 1
ead, white, ground in oil ead, sheet		5,715,985	1,246,0
pad products n.e.s.		_	384,7 134,9
ead for pencils			101,0
Relting		1,531,300	641,5
Bag, case and strap Garment		4,878,113	1,295,0
Glove		312, 514	2,968,5
Harness Lace	=	-	104,1
Oil tanned, shoe pack	lb.	305,916	1
Sole: Bellies	lb.	1, 051, 140 8, 953, 239	355,3 5,296,3 919,
Bends Shoulders Shoulders	*****	2, 035, 198	919,
Not specified		_	125,6
Upper leather:		12,604,589	8 939
Calf skins		67, 980, 137	8,939, 22,305, 2,308,
Cheomo enlite	26.24.2	13,538,748 387,384	2,308,3
Goat skins	****	001,001	
Other not specified			57,5
eather splits, not specifiedeather, not specified	-	7,713,839	2,044, 7,842,
eather, artificial	Sq. yu.	1,110,000	97,
ecithin	*****	4,031,679	296, 3,601,
enses, optical		2,001,010	1
enses for optical instruments		_	288,
etters, aluminum, plastic, etc.		_	900.
ighter fluid		541, 266	802, 940, 3,469,
lighters, cigarette, and parts lighting equipment, n.e.s.	-		3,469, 263,
Lightning equipment, meas. Lightning rods and supplies Lighin	******	1,292,424	67,
ignosol		_	20, 261,
Lime, quick (including value of containers)		_	2,799,
Line material (see 'Hardware, pole-line')			3,727,

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1958 - Continued

Alphabetical List of Commodities, 19			
Items	Unit of measure	Quantity	Value of factory shipments
			\$
Linings, glove and shoe	-	-	676,412 1,127,517
Linings, glove and shoe Linings, n.e.s. Linoleum (see ''Floor covering'')	_	_	1, 121, 511
Liquors, acid	_	_	1
Lockers and shelving, metal	-	431	5,979,718 76,112,581
Locomotive and car parts, n.e.s. Log ends for pulping	- 1	5,055	7,516,645 34,391
Looms, weaving Lubricating systems, automobile and other			97,746
Lumber matched	Mft.b.m.	141,958	13, 357, 716
Lumber, planed Lumber, sawn*	1	1,307,498 7,180,113	97,746,648 459,975,299
Lumber, not specified* Lye	_	_	2,022,554
Macaroni and spaghetti, canned Macaroni, vermicelli, spaghetti, etc., dry	ID.	35,078,970 113,923,150	4,649,180 14,761,196
Machinery: Accounting machines (included in ''Machinery, office'')			
Adding	No.	14,610 658	2,272,664 766,874
Bakers', mixing Bakers', not elsewhere specified	-	-	746,616 477,595
Boring (metal-working)	_		1
Baring (metal-working) Calculating (included in "Machinery, Office") Canning and parts Cleaning and pressing (included in "Laundry, cleaning and pressing")	_	-	
Coal handling and coal pulverizing Concrete and cement making			1,666,354 1,601,218
Construction			6,123,852 15,967,653 2,301,201
Conveying and elevating (except passenger and freight elevators) and parts	_	_	2,301,201 11,972,356
Excavating, dredging, loading, etc. Flour and grist mill, n.e.s.		=	405,909
Food products machinery, n.e.s. including making machines	No.	3, 139	2,595,255 179,072
Grain loaders and elevators Hoisting, except mine hoists		_	2,428,497 14,164,873
Kitchen and other household		_	3,938,256 1,727,395
Laundry, cleaning and pressing Logging	{	Ξ	703,913
		_	447,894
Humber and similar using Metal-working, n.e.s. Milking (included in "Food products machinery n.e.s.") Missing and motal lugging in a significant products machinery n.e.s.")	_	_	9,390,075
Mining and metallurgical, n.e.s. and parts Office, n.e.s. (see also 'Machinery, adding') Oil refining	_	_	22,539,204 2,215,820
Plastics		_	1, 247, 208
Printing Pulp and paper	– .	-	14,362,506 553,616
Road making	_	_	6,483,560
Rolling mill Rubber mill		_	4,470,125 1,233,770
Saw and planing mill Sewing		_	3,312,600
China' and fittings			3,157,808
Stone working Textile, n.e.s.		_	268, 163 2, 819, 885
Transmission Vulcanizing		=	1
Vashing machines:	No.	292, 233	33,862,709
Other power Parts and accessories		6,557	600,031 645,739
			3,537,756
Wood-working, n.e.s.			534,563 22,788,765
Other, not specified			8,741,065 329,578
Magnesium products	–	_	1
Malt caramel		_	55, 296
Malt, flour Malt extract and syrup	[7,091,322	1, 161, 23
Malt coomings and sprouts		_	1
Mantles, lamp and stove	No.	4, 165	1,646,068
Maple products Maps		1, 147, 465	963,47 1,762,64 591,26
Markle monuments			1,080,61
Marble for building purposes	lb.	148, 583, 672	34,893,70 157,42
Marine and fishermen's supplies	lb.	20,615,010	4, 233, 12
Match splints and match blocks	No. of books	641,011,856	2, 195, 68
Matches, other	-	_	

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipment
			\$
ats and matting, rubber	_	_	3,511,8 286,9
attresses, air and sponge	_	_	24, 207, 8
eal, barley			1
eal, cereal grasseal, cocoanut oilcake	ton _	57, 287	3,265,7
al, corn	ton ·	7,598	613, 1
al, fish	**	101, 136 60, 175	10, 166, 6
al, meat, hoof, lung, liver, etc.	4.6	32,581	3,655,9 3,029,
al, rapeseed oilcake	_	mate.	1
al, rye	ton	1,043	65,
al, sunflower oilcake		204 075	10.010
al, soyabean oilcakeats:	ton	324,975	19,818,
Meats, fresh and frozen	lb.	1,569,960,650	593,029,
Poultry, fresh and frozen	4.6	62,993,207 143,700	27, 923, 23,
Horse meat, fresh and frozen	4.6	268, 206, 386	146,727.
Meats cooked, including sausage, weiners, etc. (see also "Bologna and blood pudding")	4.6	298, 809, 183	128,625,
ats canned:	44	8 144 789	1
Beefteady dinners, stew, etc.	6.6	8, 144, 782 19, 970, 923	8,378,
Pork	66	34, 156, 528	19,966,
Poultry Paste, meat and chicken	44	7, 983, 112 5, 171, 315	5,393,
fiscellaneous	44	4,618,425	4,364,
ats, not specified	44	778,512	574,
at scrap, cracklings, etc		34,320,356	1,654,
'Vitamins'', etc.):			
Registered as patent medicines	_		23,915,
Oral antiseptics		_	23,915, 48,980, 1,083,
All other human medicines	-		9, 290,
Other, including medicinal chemicals, surtures, etc.		_	5,270, 4,022,
ters, gas	-	-	1
ters, parking	_		643,
ters, waterters, other and meter parts		_	503,
thyl isobutyl carbinol	-	-	1
thyl isobutyl ketonethyl hydrate, crude and refined	_	_	1
ca products	- 1	-	1
lk sold to consumers	gal.	274,752,649	238, 460,
k sold to dairy plants		274,752,649 38,894,834 49,433,738 36,324,292	14, 120, 32, 029, 12, 235,
k, transferred to other branches of the firm	66	36, 324, 292	12, 235,
k, buttermilk, sold		-	2,686,
k, condensed	lb.	14,382,671	2, 127,
k, evaporated	"	316,913,672	40, 195, 8, 153,
k, skim	lb.	3,956,117	436,
k skim evaporated	46	15,312,356	436, 960, 2,860,
k drinks (see "Food drinks")		_	2,860,
k products, not specified			813,
ncemeat	lb.	6,327,567	1, 244, 1, 301,
rors	_	_	4, 969,
lasses	ton	51,096	1, 378,
no-sodium glutamate	_	_	520,
numents, lettered only			020,
numents, bases, etc.	-		153,
ps, dishps, floor	doz.	83, 299	113, 3,229,
os. n.e.s. and parts	-	-	3,229, 617,
ticians' goodstisers (wood working)		_	308,
tor driven appliances and equipment	-	_	1, 111,
tors, electric, A.C. and D.C. (except starting motors)	-	-	40,902,
tors, other, and partsulders, wood-working		_	3,462,
uldings including metal	-	-	18,008,
ulds and diesulds n.e.s.	_	_	384, 1,847, 5,521,
ulds and stools, ingot	ton	54,317	5,521.
unting (trade work)	-	-	583,
wers, hay (horse and tractor)	No.	17,028 160,665	4,215, 6,623,
cilage	46	986,912	201,
ffs, fur	**	1,769	28,
ff beds, etc. ltiplex equipment		-	20,
nitions and other war supplies	_		1

 $^{^{\}mbox{\scriptsize 1}}$ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1958 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Muriate of potash	ton	3,393	196, 176
Music, printed	No.	19,200	144, 728 54, 902
Musical instruments and parts, n.e.s. Mustard, dry	_	_	147, 398
Mustard, prepared	gal.	1,591,962	2,212,420
Mustard compound Nails, aluminum	lb	97,030	29, 689 288, 288
Nails, brass and copper: Quantity made	lb.	145,365	
Quantity shipped	_	134, 294	74,526
Nails, wire, including shoe rivets: Quantity made	keg	1,659,325	_
Quantity shipped Nails horseshoe	lb.	1,658,129 204,876	16,364,801 64,276
Nails, n.e.s.	- 1	-	82,790
Naphthalene	gal.	161,826	62,453 7,699,073
Napkins, paper	M	2,833,399	3,946,849
Neckties Neckwear, women's	doz.	890,676 39,224	7,368,568 390,987
Neckpieces, fur Needles, knitting machine	No.	5,549	576, 329
Needles, knitting, other	_	_	104,231 120,054
Nets, laundry	= 1	_	1
Nickel-silver, E.e.s. Night dresses:	lb.	517,635	382, 984
Cotton and flannette Nylon	doz.	142,735 87,660	2,627,359 2,547,821
Rayon and silk Night dresses, knitted and other n.e.s.	66	120,351 18,395	2, 297, 986 631, 181
Nightshirts	is	1,673	40,048
Nitrobenzol	cu. ft.	71,085,915	833, 135
Nitrous oxide	lb.	722, 269 1, 152, 448	572,059 284,895
Novelties, plastic		_	1,641,308 940,478
Nuclear equipment, n.e.s. Nuclear equipment, n.e.s. Nuts, roasted, salted, etc. (see also "Peanuts roasted, salted, coated") Nylon fabric (see "Silk and synthetic fabrics" and "Knitted fabrics")	lb.	7,613,243	5,669,891
Nylon fabrics (see "Silk and synthetic fabrics" and "Knitted fabrics")		_	244,850
Oars and paddles Oats, rolled	ton	38,877 9,727	7,358,776 1,079,046
Oatmeal	_	9, 121	1, 363, 554
Oil burners (See "Burners") Oilcloth, other than floor	_	-	1
Oil, anline Oil, cocoanut, crude and processed	1b.	19,836,159	3,331,665
Oil core		_	549,978
Oil, corn, crude Oil, corn, refined	lb.	13 101 263	2 576 162
Oil, cotton seed	gal.	13, 101, 263 11, 357, 818	2,576,162 2,785,611 4,340,000
Oil, fish (industrial)	lb. Mu's	56,458,000 2,524,881	165,000
Oil, fish, not specified	-	_	2,015,008
Aviation turbine* Diesel*	bbl.	4,302,097 23,277,456	26,883,696 117,775,917
Heavy fuel oil:* For own use		7,504,317	19, 445, 938
For sale	**	34, 374, 486	93,707,646
Light fuel oil:* For own use	66	21, 184 41,619,213	83,268 211,642,223
For sale Tractor*(Included in ''Oil, kerosene, stove, etc.'')	gal	19,387	11,364
Oil, fusel (sold) Oil, lard Oil, light n.e.s.		2,581,789	605, 221
Oil linseed hoiled	1	362,366	573,782
Oil lineard raw	6.6	4,488,105 2,768,484	5, 131, 683 3, 968, 692
Oil, linseed, special Oil and grease lubricating* (see also "Grease, lubricating") Oil neatsfoot		604, 122	66,481,394 125,155
Oil oleo	44	3,125,134	513,041
Oil, palm and palm kernel	_	8,685,593	1,519,899 1,234,360
Oil, rapeseed	66	137, 846, 430	1, 234, 360 18, 095, 187
Oil, stand blown, enamel, etc. Oil, kerosene, stove and tractor*	bbl.	11,514,539	68,753,006 473,793
Oil, sulphonated, textile oils and other textile chemicals		3,656,305	1
Oil, vegetable, n.e.s.	lb.	57, 272, 047	9,570,384 5,600,526

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Oleo stock	lb.	2,739,525	347,823
Olives, bottled, etc. Optical equipment n.e.s.	gal.	952,932	4,329,047
Organs, all kinds Organ parts	No.	287	1,741,073 181,666
Ornaments, not specified	-	-	653, 154 963, 348
Ovens commercial cooking	No.	7,579 638	825,128
Ovens, industrial, electric Overalls (see also ''Smocks, etc.''):	-	-	376,837
Bib:	don	05 547	0 500 400
Men's and youths'	doz.	65,547 6,264	2,582,430 129,392
Coveralls: Men's and youths'	44	49,055	2,850,396
Other, not specified	"	63	1,567
Men's and youths'	"	209, 389	6,353,444
Boys' Overall coats (jumpers only):		266,919	5,524,842
Men's and youths' Boys'	**	14,209 374	533,841 9,241 1,958,714
Smocks, dusters and shop coats (men's and youths')	"	43,488	1,958,714
Children's overalls, all kinds	44	344,818 1,450	3,552,826 38,680
Oxygen Packaging equipment	_	_	11, 145, 858 55, 376
Packing, asbestos	_		956,333
Packing, rubber	lb.	1,869,381	1,088,726 204,210
Packing house equipment Pads, electric, heating	No.	152, 148	526, 274
Pads, couch	140.	3,438	36,540
Pads, ironingPads, sanitary	_	_	353,036 11,438,943
Pads, shoulder	doz. pr.	1,199,683	1, 227, 781
Pads, sweat	No.	11,036	64, 294 14, 533
Pads and padding, n.e.s.	_	_	1,886,538
Pails, tin Painting equipment, n.s.	-	-	168,903 2,610,501
Paint, varnish and enamel removers	gal.	155,345	487, 351
Paints, cement	-	-	89,743
Latex base emulsion paints	gal.	3,092,903 460,304	12,554,017 1,403,674
Resin and other bases emulsion paints, (paste and semi-paste)			
Dry	lb. gal.	931,321 13,574	119,494 31,508
Plastic texture, paste and dry Calcimines	lb.	271,506 759,649	31,508 26,865 95,950
Lime and cement bound	**	1,721,887	234,871
Other water-thinned paints	gal.	21, 270, 288	135, 421 92, 447, 221
Paints, paste, (not including water-paste paints)	lb.	21,270,288 1,542,463 326,286	92,447,221 361,190 1,396,582
Paints, semi-paste (not including water-thinned type) Paints and enamels, other (see also "Enamels" and "Lacquers")	gal.	320, 280	748,954
Painting, stencilling, etc	No.	713,632	21,826 1,862,986
Pants, breeches, etc: Breeches:			, ,
Men's and youths':			
Cotton	doz.	444	37,577
Boys': Cotton	_	_	1
Wool and wool mixtures	doz.	2,201	53,027
Pants and slacks, fine, separate, dress and sport: Men's and youths':			
Cotton or chiefly cotton	No.	299,033 613,291	1,139,783 3,021,630
Rayon mixtures, chiefly rayon	**	793.025	3, 238, 105
Wool	"	1,033,705 523,347	10,017,895 3,007,713
Boys': Cotton or chiefly cotton	**		
Rayon	"	332,280 525,484	1,238,829 1,471,748 910,618
Rayon mixtures, chiefly rayon	44	525,484 372,491 164,659	721,000
Wool mixtures, chiefly wool Pants, soccer, hockey, etc.	"	439, 033	1,177,866 179,335
Pants, uniform, separate:	_		119,333
Men's and youths': Military	No.	173,499	793,094
Non-military	177	101,840	1,034,260
Pants, work: Men's and youths':			
Cotton	doz.	326,963 26,707	10,965,739 1,416,091
Not specified	46	793	58,457

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Pants, work - Concluded: Boys':			
Cotton	doz,	49,667 12,571	1,223,555 362,814
Pants, baby (plastic, rubber, etc.)	- "	641, 241	1,971,189
Pants, not specified	-	-	417,097
Adding machine and cash register	roll	4,739,496	717,550 467,151
Blotting, clay coated and enamelled	_	_	4,683,770
Book (basic) Box cover, coloured	ton	113,064	28, 908, 143
Writing pads, tablets, etc. Building and roofing paper:		-	2, 196, 640
Asphalt saturated rag and asbestos felt shingles and shingle type sidings	square	3,098,241 793,135	21, 173, 882 2, 443, 344
Smooth surfaced rag and asbestos felt roll roofings Roll type rag and asbestos felt siding	66	916,951 202,508	2, 105, 929 676, 717 5, 715, 860
Tar and asphalt saturated rag and asbestos felts, not coated Tar and asphalt saturated and/or coated sheathings	ton	69, 362 19, 246	5,715,860 2,441,602
Other dry sheathings Insulated siding	_	1,429	245,669
Building papers, n.s. (basic) Carbon	ton	88,487	6,855,748 3,649,932
Cigarette tubes and paper Coated n.e.s.	_	=	1, 255, 580 13, 561, 494
Corrugated (paper and wrappers) Creped or crinkled	M sq. ft.	158,008 1,611,938	1,556,686 503,435
Fine, writing and reproduction (basic) Fine, miscellaneous (basic)	ton	115,238 26,454	40, 286, 563 8, 250, 742
Foolscap Friction or flint glazed		368	154, 852
Gummed (in sheets) Special, industrial	lb. ton	3,635,376 5,695	1, 189, 368 1, 716, 645
Lining, pan, shelf, etc. Parchment, vegetable	ton	4.092	576,761 2,463,719
Paper napkins and doilies (see "Napkins" and "Doilies") Newsprint paper (basic):	1011	4,002	2, 100, 110
In sheets, for printing In rolls, for printing	ton	50,779 5,745,811	7,225,280 664,917,091
Side runs, for pulping Counter rolls		28,917	1,732,827
Other	ton	89,268	23,654,840 13,956,442
Safety paper, for cheques, etc.	-		1,558,765 8,514,733
Sanitary (basic) Tissue, converted	ton	3,161 8,941	1,434,152 3,471,075
Tissue, other than sanitary, (basic stock) Toilet, converted Towels, paper (see "Towels, paper")	case	3, 104, 394	23,483,624
Typewriter Vinylite	-	_ :	468,822
Wall paper	_	_	1 1
Waterproofed, other than waxed, n.e.s. Waxed paper:	lb.	28,805,953	7,694,205
Bread wrappers Other, plain and printed	lb.	49, 459, 438	11, 784, 137
Wrapping paper (basic stock): Unbleached sulphate kraft No. 1 and 2	ton	226,879 28,691	45,759,956 9,079,800
Bleached sulphate or sulphite	66	2,910 7,712	760,940 1,734,885
Miscellaneous furnishes	-		3, 806, 478 1, 167, 885
Paper, miscellaneous, n.e.s. (converted)	_	-	1, 234, 092
Paper board: Box board (basic stock)	ton	381,825	59,889,503
Container chip (basic stocks)	46	7,768 171,387	922,714 22,204,345
Corrugating board (basic stock)	6.6	314,539 10,827,060	43,712,671 6,899,161
Aluminum foil laminated with paper or board	lb	10, 821, 000	2,427,656
Coated other, not specified. All other board and paper n.s. Papeteries (stationery in boxes) (see also "Paper—writing pads, tablets, etc.")		1,919,763	2,427,636 2,441,167 850,607
Parachutes and parachute equipment	No.	1,919,103	1
Parafilm Paraldehyde	_	=	3,490,692
Partitions, office Paste, adhesive Paste, meat and chicken (see ''Meats, canned'')		=	470,775
Paste, meat and chicken (see ''Meats, canned'') Paste, flavoring	lb.	278,340	82,100
Patterns and models, foundry and other, wood and metal	-	_	4,993,759 1,602,647
Patterns, paper Peanut butter Peanuts, roasted and salted (for sale) (see also "Nuts, salted etc.")	lb.	31,301,716	9,615,914 7,978,477
Peanuts, roasted and salted (for sale) (see also "Nuts, salted etc.") Pearls, artificial and simulated	_	23,624,949	954, 468

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Peavies, cant hooks and pike poles		-	232,065
Pectin Pencils, non-mechanical, (black lead)		468,899	2,065,247
Danaila non-machanical n p s		166,663	1,078,334 473,065
		111, 215	30,008
Pencil parts Pencillin (included in "Antibiotics")			2 405 102
Penicillin preparations Penicillin – streptomycin preparations		_	3,485,102 1,041,028
		1 770 707	144,820
Done hall point (including liquid lead pencils)	uoz.	1,770,797 274,878	3,525,216 2,122,659 1,405,213
Pens, fountain Pens, fountain Pens, fountain Pens, fountain, ball point and other, parts including ball point replacements)	-		1,405,213
Pentaerythritol Pentasol acetate		_	1
Pentasoi acetate Perchlorethylene Percolators, electric (see "Coffee-makers, electric)		-	1
Percolators, electric (see "Coffee-makers, electric)		_	1,425,596
Perfumes Periodicals, printed by publishers:			
Newspapers d'aily:	_	_	152,536,489
Gross revenue from advertising Subscriptions and sales	–	_	55,047,708
Newspapers weekly and other:	I		35,763,787
Gross revenue from advertising Subscriptions and sales	=	Ξ	14,005,068
Magazines of general circulation:			17 709 132
Gross revenue from advertising Subscriptions and sales		_	17, 798, 132 7, 014, 762
Other publications:	1 1		E4 005 050
Gross revenue from advertising Subscriptions and sales			54, 925, 053 14, 443, 833
Petrochemical feed stocks*	DDI.	4,440,182	14, 271, 748
Phenol			1
Phenacetin Phonographs, electrically operated included with ("Record players, electrically operated included with the control of the control	ra-		
ted")		_	161,886
Phonograph supplies Phosphorus		-	1 1
Phosphorus sesquisulphide		_	13,729,380
Photo-engraving (trade work)		_	5 550 916
Photography (Commercial) Phthalic anhydride		_	1,063,345
Pianos:			
Grand	No.	59 6,537	77,560 2,608,991
Upright			782,045
Pickets, wood* Pickles, relishes and sauces (see also ''Tomato Catsup'')	M	952	48,704 21,382,678
Pickles, relishes and sauces (see also "Tomato Catsup")	-		1
Pictures, framed		Ξ	944,408
Picture and miror frames, etc. Pies, cakes and pastry, (see also "Puddings, cakes, etc., canned")		-	1,126,479 89,743,049
Pilos, meat	-	_	3,923,587
Pillow cases (included in "Sheets and pillow cases, cotton") Pillow cotton (included in "Cotton fabrics, broad woven")			
Pillows	No.	783,367	1,648,855
Pins, plain, hair and including bobby pins		_	1, 233, 147
Pipe, culvert, sheet metal		59,567	19,634,237
Pipe, sewer, clay Pipe, sewer, drain and culvert, cement		956,820	19,634,237 3,432,526 22,365,805
Pine lead	lb.	2,368,422	530,802
Pine plastic		466,626	3,313,475 101,711,536
Pipe, steel, rivetted and welded Pipe, wooden	-	-	1
Dine and fittings brass bronze and conner		_	536,796 13,674,330
Pipe and fittings, cast iron, soil Pipe and fittings, cast iron, water		129,791	19, 255, 785
Pine and fittings cast iron other		7,488	3,978,729 5,480,334
Pipe and fittings, malleable iron Pipe and fittings, steel, n.e.s.	ton	95, 420	29, 116, 741
Pine and fittings n.e.s.		_	4,677,224
Pipe and tubing, copper Pipe and elbows, stove and furnace		Ξ.	3,970,290
Pipes, tobacco	doz.	13,417	73,484
Piston rings, expanders, etc., (automobile)	-	_	1,211,878
Pitch	ton	115, 131	4,749,283
Place mats (paper)	[M	51, 158 135	323, 117 172, 041
Planing custom		_	172,041 6,776,710
Planters, corn	No.	810	252,513
Plaques			
Plastics, primary (see "Resins, synthetic")			19, 807, 599
Plate and tank work, steel, miscellaneous Plate, black, not specified		32,437	5, 271, 696
Plates, sheets and strips, brass, copper, etc.		23,361	20,522,294

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1958 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Plates, all kinds including boiler and other sheared plates	ton	226,750	30,618,858
Plates and frames, addressograph	_	_	2, 264, 553
Plates, forks and spoons, paper Plates, rubber or composition	-	-	407, 189 146, 769
ray ground, track and freid equipment		_	775, 396
Play yards Ploughs, agricultural:	-	-	1
Disc	No.	1,786	512, 249
'Harrow ploughs, one-way discs, tiller combines Mouldboard	44	4, 158	2,756,107
Walking	6.6	14, 285 140	1,832,764 3,954
Other	_	-	662, 356
Tugs, wooden	-	_	351,350
'lumbers' supplies, n.e.s. (Brass, copper, etc.)	M sq. ft.	1 500 007	21,065,575
lywood products, n.e.s.	- W 5Q. II.	1,532,227	95,775,605 58,281
olish, furniture	-	na.	261,071 1,352,396 331,123
olish, metal	_	_	1, 352, 396
olish, shoe		- 1	1,361,434
olish, stove olishes and waxes, floor	_	_	24,790 15,624,522
olishes and dressings, automohile olishes and dressings, n.s.	-	-	1,047,611
olishers, floor, electric, etc, and parts	_	_	141,960 6,990,717
olishing mitts and cloths	-	- 050 000	38, 124
ost cards, printed	lb.	5,076,822	2,294,059 519,579
osts, steel, fence	ton	6,865	1,038,202
ost hole diggers		_	1
otato chips, (factory made)	lb.	27, 271, 837	16,610,327 51,902
otato pickers, sorters and diggersot holders and oven mitts	No.	174	51,902 55,818
ot scourers	-	-	2,446,014
ottery, glazed and unglazedoultry (see "Meats")	-	-	732, 199
owder, baking	lb.	9,715,504	2,641,436
owder, buttermilkowder, custard	65	7,882,354 543,305	2,641,436 606,712 181,043
owder, egg	t t	693, 992	975.378
owder, food drinkowder, ice cream	6.6	7, 397, 159 230, 353	3,765,334 85,850
owder, jelly	44	15,680,932	6,618,726
owder, whole milk	66	29, 123, 572	9,489,087
owder, skim milk	lb.	185,990,843	28,055,536
owder, pudding and pie fillingowders, soft drink	11	20,775,311	7,718,065 1,328,332
owder, whey	44	13,619,443	886,899
owder, edible, n.e.s.	1 "	1,814,082	1, 173, 275
owder, bronze, iron and aluminumowder, sachet		_	1, 174, 753 331, 151
owder, talcum and face	-		5,154,937
ower unitsrecious metals including platinum, crucibles, etc.	_		3, 935, 646
recious metal salts	-	-	1
resses, tennis and badminton racquet		_	2,709,019
resses, hydraulic, and other power ressure cookers (included under "Kitchenware, aluminum")			, ,
rinting, not elsewhere specified: Circular letters (included under "Other printed matter")			
General, for trade	-	-	1, 236, 681
Custom printing, (Paper supplied by customer)	_	-	3,891,375
Blue prints and photostats	-	-	1,432,911
Box covers, coloured	_	_	276,651 28,917,670
Other printed matter: menus, statements, Sheetforms, bank notes, programmes, etc. (see also "Advertising matter", "Certificates, stock bonds etc.") also no textile fabrics			
also "Advertising matter", "Certificates, stock bonds etc.;")	_		114,311,993 2,064,262
rojectors copane (included in "Gases, liquefying petroleum")	No.	34,737	2, 132, 891
ropane (included in ''Gases, liquefying petroleum'') ropellers and drive shafts	_		1
		-	1
rophyl acetate (normal) ublications, subscriptions and sales (see "Printing" and "Periodicals") uddings cales at canned and other			213,731
uddings, cakes, etc., canned and otheruffs, powder	_	_	183,542
illeys, wood and other	_	_	598,013
ulp, flaxulp, fruit (see ''Fruit pulp'')			
ulpstones, artificial	_ 	220,090	9, 176, 951
ulpwood (produced in sawmills)ulp chips	cds.	220,090	22,045,375
ulp (wood):			
Ground wood: Quantity made	ton	5, 375, 499	_
Quantity made	66	264, 245	18, 103, 709

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
Pulp wood - Concluded:			\$
Sulphate: Quantity made	ton	1,896,006	150 501 004
Quantity shipped	i	1,205,098	152, 521, 264
Quantity made		866, 644 743, 262	111, 205, 448
Sulphite, unbleached: Quantity made		1,607,127 306,060	35,551,043
Quantity shipped		67,705	30,001,040
Quantity made	**	19,441	616,770
Defibrated or exploded wood: Quantity made for use in producing mills		167,720	4, 346, 147
Other: Quantity made		75,533 57,665	7,588,688
Quantity shipped Pumps: Centrifugal		-	7,767,926
Cistern and pitcher		836	251,925
Deep well		29, 130	967, 681
Sump Vacuum		3,002	1,648,506
SteamOther power pumps		_	3, 495, 186 4, 908, 050
Gasoline dispensing pumps Hand pumps		8,002	354, 177
Household water systems, deep well and shallow well Pump jacks		61,758 4,804	5,672,531 126,947
Pumps and pump parts n.e.s. Punching machines		Ξ	4,585,148 79,175
Purses, pocket-books and folders Putty and fillers, n.e.s.	1b.	16, 206, 751	2,450,699 1,620,667
Pyjamas: Cotton and flannelette		526,954	11, 131, 334
Nylon		43,761 37,663	1,454,470 871,975
Not specified		42, 399	1,068,671 946,136
Pyrotechnics	yd.	5, 227, 093	2,547,887
Racquets, tennis, badminton Radar equipment (see also "Radio communication equipment")	······ =	_	242,054 22,237,414 5,451,789
Radiators and cores, automobile	–	_	682, 247
Radiators, heating, concealed type Radiators, heating, standing type			4,646,743 2,319,521
Radiators and parts, heating, n.s. Radio communication equipment	—	_	5,316,002 21,186,557
Radio sets, tubes and accessories Rafters, roof trusses and beams, laminated	_	_	70, 188, 569 6, 302, 407
Rail anchors Rails, iron or steel:	-	-	1
Quantity made Quantity shipped	ton	365,429 377,604	41,586,604
Rail frogs, switches and other track equipment	No	131,802	15,324,055 213,479
Naacs, sand a fairlos (see "Silk and synthetic fabrics" and "Knitted fabrics") Razor blades Razors, safety, other than electric (see also "Shavers")		185, 262, 382	4, 179, 599
Razors, safety, other than electric (see also "Shavers")		-	842,701
Recorders, Wre or tape Records, phonograph Record players, electrically operated	No.	18, 490, 025 249, 370	10,072,605 7,676,708
Rectifiers for storage battery charging and parts		249,310	899, 749
Refractories: Cement, high temperature	ton M	6,348 2,806	741, 198 325, 653
Firebrick from domestic clay Firebrick from imported clay	ton	12,042	689,095 11,205,083
Other Refrigerators and refrigerator equipment, n.e.s.:		226,523	39,759,10
Household, mechanical, complete, (electric and gas) Commercial, not specified	-	420, 523	245, 836
Steel cabinets for mechanical refrigerators			1 850 200
Display cases, normal temperature Display cases, other		2,202 698	1,750,399 753,739
Low temperature refrigerators Reach-ins, all sizes	44	829 979	763, 283 585, 163
Walk-in coolers Refrigerator parts		852 —	1,023,89
Refrigeration equipment n.e.s. Regalia, n.e.s.		=	5, 414, 608 2, 291, 399
Registers, cash Registers and grills, air		_	3, 192, 205
Regulators, (temperature, flow and pressure and control valves) Remedies, stock and poultry	=	Ξ	4,362,593 3,506,568
Repair gums and fabrics Repair kits	l lb.	501,942 847,864	513,323 334,045

 $^{^{\}mbox{\scriptsize 1}}$ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
Renair natches, tire and tube			\$ 1 407 141
Repair patches, tire and tube		_	1, 487, 141
Ribbons		I :	2,961,447
Rice, cleaned, etc. Rifles and shot guns (see ''Pirearms'') Rings, fruit jar, rubber	lb.	797 400	520 105
Rings, fruit jar, zinc Rockwool (see "Wool, mineral")	10.	787, 469	533, 175
Rockwool (see ''Wool, mineral'') Rods, copper wire	_	_	1
Rods, iron and steel wire:		000 040	
Quantity made Quantity shipped		268,848 270,210	30,592,181
Roll covering, rubber Rollers, land and land packers	lb.	534, 341	1,330,858 416,283
Rollers, printers'			020 020
Rolls, rubber covered	No.	77,606	592,825
Roof drainage equipment		-	2,957,274
Roof deck (metal)	-	_	3,011,173 11,839,228
Roofing preparations, n.e.s		-	1,319,360
Manilla	lb.	5,807,863	2,301,211
Sisal Jute and hemp	*** 66	3,550,597 125,093	2,301,211 967,350 _73,292
All other		421,743	789, 621
Rubber, reclaimed, dispersions and other			76,577
Rubber coverings, linings, etc.	1b.	1, 278, 395	2,236,029
Rubber goods, moulded Rubber goods, plumbers'		3, 568, 927	2, 107, 936 2, 506, 911
Rubber goods, sanitary, n.e.s. Rubber goods, soft and sponge (including foamed latex)		_	129,859 11,796,469
Rubber automotive and aeroplane parts	lb.	6,638,996	3,977,470
Rubber and rubber goods, n.e.s. Rubber master batches and mixes		_	1,055,885
Rubber, thread	lb.	710,531	1, 243, 140 67, 351, 381
Rubber, synthetic	No.	299, 185, 191 46, 289	67,351,381 228,046
Rules, plastic and wood		-	285, 686
Ruling (printed plants)	=	_	536, 050 220, 328
Rust preventatives and removers		1, 338	561,540
Saddles Saddle parts	No.	1, 330	72,056 39,233 3,750,295
Saddle parts Safes, vaults and fittings Sails	No.	1,003	3,750,295 113,220
Salt		- ,	16, 957, 157
Salt curingSanders, woodworking		1,402	26,585
Sandstone (building)			60, 173 1, 181, 041
Sandstone (building) Sandwich relish and spread (see also ''Paste, meat and chicken'') Sanitary ware	lb.	3,689,715	23,510,621
Sash, doors and other mill work Sash, aluminum, brass, etc. (included in "Windows, complete, aluminum and other) Sash balances, metal	–	- 1	78,049,601
Sash balances, metal			1
Sauces, catsups and relishes (see ''Tomato catsup'', "'Pickles, relishes, ets.'') Sausage casings ————————————————————————————————————		_	8,709,849
Sausage (see "Meats cooked, including sausage")	···		
Sawdust and waste, sold Sawing, lumber, (custom)			729,992 495,955
Saws, all kinds		-	13,407,762 1,340,248
Saw partsScales	No.	103,411	3,380,213
Scarves		_	2, 663, 876 72, 401
School supplies, not specifiedScientific equipment, not specified	::: =	war.	1, 292, 798
Scrap, aluminum Scrap, brass, bronze and copper		8,654,602	835, 459
Screenings, barley, etc.		-	2,935,903
Screens, window Screens, projection			341,928
Screens, industrial			968, 317 21, 384, 372
Screws and screw machine products Scufflers and horse hoes		541	72, 469
Scythes and snaths	! - 1	_	559, 436
Sealchilghts, floodlights, etc. (see 'Fixtures, lighting'') Seasonings, dry and liquid			
Seasonings, dry and liquid	No.	2,837	1,478,353 495,369
Seed boxes for one-way discs, etc	*101	2,000	
Shades, window, shade cloth and fittings: Ordinary shades and blinds		170, 250	2,457,147
Venetian blinds, all kinds, including strips			4, 282, 402 1, 206, 093
Shade cloth, rollers, etc. Shakes, processed and stained (building purposes)	square	894, 286	8,624,100
Shapers, metal-working		-	1
Shapers, wood-working		A.M.	1

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Shavers, electric and parts		_	1,333,162
	No.	221	184, 429
Shawis Shearing machines, metal working Sheet forms, commercial, etc., printed (included in "Printed matter, other") Sheeting, cotton (included in "Cotton fabrics, broad woven")	doz.	22,877	214, 160
Sheets, crib Sheets and pillow cases, cotton	-	_	9, 462, 455 238, 444
Sheet metal building materials, mess.		=	10,800,384
sheets and strips, sincon and stool rolled and drawn) and tin plate galvanized	_	_	209, 458, 485
shelac	doz. pr.	31, 587	1, 253, 146 162, 413
Shims, railroad and other	M	9,470	222, 246 90, 616
Shingles, asbestos	Source	1,785,436	1,279,462 15,233,222 176,597,923
Shipbuilding and repairs Shirts, fine, men's, youths' and boys':	doz.	698,984	19,605,453
Rayon and nylon	44	66,148 17,152	2, 329, 623 832, 461 93, 940
Shirts for formal wear		1, 922 215, 286	5,591,833
Cotton	6.6	215, 286 23, 266 532, 195	684,621 17,901,967
Shirts, T-Shirts	44	873,326 133,153	9,718,910 1,716,627
		148,727	1,806,303
Shirts, not specified Shock absorbers, automobile Shoddy, mungo and wool extract (see "Wool or part wool, reworked or reprocessed") Shoe materials, pyroxylin coated (included in "Fabrics, coated and impregnated") Shoe trimmings		_	382,664
Shoe uppers and tops Shooks, box		43,805 47,223	134,478 4,794,245
Shortening:	lb.	107,843,467 60,040,761	24, 103, 947 15, 078, 893
Wholly vegetable Shorts and middlings Shovels, hand	_	380, 934	15,078,893 15,558,772 534,536
Shoveis, power	- 1	=	3, 111, 660
Signs, electric:			
Neon and other luminous tube: Shipments (sold outright)	:	Ξ	4,943,450 3,869,948
Other electric: Shipments (sold outright)		=	2, 172, 748 1, 662, 083
Cione non-electric	1	_	3, 105, 430
Metal (sold outright) Screen processed, other than metals (sold outright) Other non-electric:		_	1,466,788
Shipments (sold outright)		77,528	2,798,540
Silicon carbide, crude Silicon manganese, silico spiegel, etc. (included in "Ferro-alloys")	ton	11,020	
Silk and synthetic fabrics, broadwoven: All silk and mixtures containing silk All continuous filament synthetic yarn:		261,734	437, 37
Rayon (see also "Knitted fabrics")	4 ¢ c c c c c c c c c c c c c c c c c c	44,697,033 6,104,658 2,103,768	23, 441, 67 4, 142, 81 1, 759, 93
Other		1,569,090 12,332,034	1,065,40 9,545,82
All spun rayon Mixtures of continuous filament rayon and spun rayon Mixtures of continuous filament rayon and cotton	**	4,784,116 5,084,446	4,391,74 3,946,94
Mixtures of continuous filament nylon and cotton		547,886 799,987 6,958,396	676, 81 843, 94 6, 869, 17
Other synthetic mixtures Silver (remeited for resale, recovered from old silver and alloys) Size		25, 390, 296	3,656,63 2,079,06
Skates, roller	pr.	1, 755, 795 68, 740	2,631,94 206,59
Skate parts	M	32,204 103,054	10,00 62,42 326,73
Skiis water	-		285,02
Ski poles and fittings Skins, calf Skins, sheep		694, 454	2,978,88 1,567,30
Skins, Sieeb Skins, pickled Skins, dressed (excluding raw) Skips and cages (mining and metallurgical)	190.	545, 184	363, 90 1, 802, 99 539, 63

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1958 - Continued

According any and a composition of the compositio	Items	Unit of measure	Quantity	Value of factory shipments
Cotton	Skirts:			\$
Rayon mixtures	Cotton	No.	1,680,370	4,998,40
Woolles	Rayon		398,094	1,340,28
Other	Woollen		864,764 2 253 930	2, 843, 78 13, 266, 68
Salphs, children's	Other	–	_	393 14
Seighbs, Indidents Seighbs, Edward Seighbs	Slabs and edgings	cd.	399, 215	1, 608, 77
Boys	Sleighs, children's	No.	144.781	446,51
Soys	Sleighs, horse-drawn, etc. (see also "Vehicles, farm sleighs, etc.")	44	392	19,98
Soys	Slicers, meat and bread (included in "Food products machinery")			
Boys			214.610	254,86
148.23 1.98.	Boys'	(6	56,680	82,99
### ### ### ### ### ### ### ### ### ##	Children's, including little gents'	***		197,42
Women's and growing sitis'	Misses'		141.725	1,762,13 220,76
Lippers Indian:	Women's and growing girls'		1,508,613	2,969,32
Bables	Youths'		19,646	33,00
Soys		66	24 757	27,72
March Marc	Boys'	14		126,70
March Marc	Children's, including little gents'		302, 763	282,37
Wooner's and growing girls'	Men's		276, 729	486,38 427,91
Appear A	Women's and growing girls'		1,780,866	2,026,88
	Youths		18, 231	22, 29
moke orecoming	lippers including foam tread		-	2,526,69
mode oreeching	metter and rennery products*	doz	12 558	1,135,770,50
moker sets and smokers supplies, n.e.s.	moke preeching		12,550	544, 45
1	moker sets and smokers supplies, n.e.s.	-	_	546,62
now shoes now removal equipment	mokestacks, steel		_	449,84
Castile	Snow shoes		_	42, 25
Castile	Snow removal equipment	-	_	2,370,44
Household and laundry (Chips and flakes)		11.	251 040	F2 F0
Household and laundry (Chips and flakes)	Household and laundry (Rars)		15 361 226	53,50 2,524,24
Liquid, not specified " 14,000, 216 1, 86, 399, 037 8, 50f 307, 439 8 Forward	Household and laundry (Chips and flakes)		17,531,963	2,920,90
Solit	Liquid, not specified		14,000,216	1,981,14
Textile and mill	Powder		36,399,037	8, 562, 42 316, 77
Toolet (Rars and liquid)	Textile and mill		365,086	57,60
Shaving, including shaving creams 1,753, 997 2,	Toilet (Bars and liquid)		40,954,379	14,637,48
Not specified	Shaving, including shaving creams		1,753,497	2, 156, 22 592, 39
10,053,050 1,050,050 1,0	Not specified	*******	3, 161, 974	579,83
Sodium azide	Soap stock	66	10,053,030	225, 68
Sodium carbonate (sal soda and soda ash) Sodium chlorate Sodium chlorate Sodium chlorate Sodium hydroxide Sodium metablisulphide Sodium metablisulphide Sodium metablisulphite Sodium metablisulphite Sodium metablisulphite Sodium prophosphate Sodium prophosphate Sodium prophosphate Sodium prophosphate Sodium prophosphate Sodium sulphite Sodium trypolyphosphate Sodium from the sodium sulphite Sodium sul	Sodium azide		414	1 1
Sodium carboxymethyl cellulose (carboxel)	Sodium benzoate		_	1
Sodium chlorate Sodium hydroxide Sodium metablsulphite Sodium pyrophosphate Sodium pyrophosphate Sodium pyrophosphate Sodium sulphite Sodium fyroplosphate Ibb. 11,467,241 5,685 Soling nubber: Rubber and composition soles (full and tap) Soling and toplifting sheets, rubber and composition Ib. 12,231,916 Soloes, tap and other (insoles) Soup, canned (excluding infants' soups) Ib. 264,621,125 Soup, Ganned (excluding infants' soups) Soup and composition soles (full soles) Soup mixes Spades and shovels Ib. 10,682,594 Spades and shovels Spades reducer units Spectacles, complete December Source Soupcound December Source Soupcound December Source	Sodium carboxymethyl cellulose (carboxel)	_	_	1
Sodium hydroxide	odium chlorate		-	1
Sodium hydrosulphide	Sodium cyanide	-	_	1
Sodium hypochlorite	Sodium hydroxide	_	_	1
Sodium metaphosphate	Sodium hypochlorite		_	1
Sodium metasilicate —	odium metabisuiphite		_	1
Solim pyrophosphate	Sodium metapriosphate	-		1
Solim pyrophosphate	odium phosphate, monosodium, disodium, trisodium and tetrasodium		_	1
Soliding sulphamethazin	odium pyrophosphate			1
Soliding sulphamethazin	odium silicate		Ξ.	1
Soliding thiosulphite	odium sulphamethazin	_	_	1
Solider typolyphosphate Ib. 11,467,241 5, coling, rubber. Soling, rubber. pr. 7,649,340 2, respectively. Rubber and composition soles (full and tap) pr. 7,649,340 2, respectively. Soling and toplifting sheets, rubber and composition lb. 12,231,916 4, respectively. Soles, felt and other (insoles) pr. 3,833,192 1, respectively. Soup, canned (excluding infants' soups) lb. 264,621,125 47, respectively. Soup filler or cracker meal lb. 10,682,594 9, respectively. Soup mixes No. 889,253 1, respectively. Spack plugs 9, respectively. 31,668,303 9, respectively. Spect reducer units pr. 132,611 1, respectively. Spices, mixed, whole or ground respectively. 5,307,503 3, spices, mixed, whole or ground Spikes, other - - - - - Spikes, other - - - - -	Sodium thiosulphite		_	1
Soling, rubber: pr. 7.649,340 2, Rubber and composition soles (full and tap) pr. 7.649,340 2, Soling and toplifting sheets, rubber and composition lb. 12,231,916 4, Soles, fet and other (insoles) pr. 3,838,192 1, Soles, fet and other (insoles) — — 47, Soup, canned (excluding infants' soups) 1b. 264,621,125 47, Soup mixes lb. 10,682,594 9, Spades and shovels " 31,668,303 9, Spark plugs " 31,668,303 9, Spectacles, complete pr. 132,611 1, Spect reducer units pr. 132,611 1, Spices, mixed, whole or ground " 5,307,503 3, Spikes, allway ton 13,200 2, Spikes, other — — — Spinings (ustom — — —	Sodium trypolyphosphate		11 467 241	5,050,41
Rubber and composition soles (full and tap) pr. 7,549,340 2,			11, 101, 211	0,000,42
Soling and toplitting sheets, rubber and composition 10. 12. 3. 838, 192 1.	Rubber and composition soles (full and tap)	pr.		2,571,59
Soles, feb and other (reacher 10,000 10,00	Soling and topiliting sheets, rupper and composition	LU: 1	12,231,916	4, 276, 18 1, 982, 87
Description	Soles, tap and other, leather	pr.	3,000,102	823,01
Joup filler or cracker meal Ib. 10,682,594 9,000 Spades and shovels No. 889,253 1,500 Spark plugs " 31,668,303 9,000 Spectacles, complete pr. 132,611 1,500 Spice de reducer units Ib. 401,157 Spice compound " 5,307,503 3,500 Spices, mixed, whole or ground ton 13,200 2,500 Spikes, cher - - - - Spikes, cher - - - 1,500 Spinning custom - - 1,500	Soup, canned (excluding infants' soups)	1b.	264,621,125	47,845,07
10, 10, 82, 594 5,	Soup filler or cracker meal		10.000.504	9,048,80
Spark plugs	Soup mixes	Ib.		1.917.38
2, 2, 2, 2, 2, 2, 2, 2,	pages and snoveis		31,668,303	9, 256, 51 1, 209, 46
Speed reducer units	Spectacles, complete	pr.	132, 611	1,209,46
Spices compound	peed reducer units		401 157	2,374,03 180,75
Spices, mixed, whole or ground	Spice compound	1D.		3,960,10
Dikes, other — — — — — — — — — — — — — — — — — — —	Spices, mixed, whose or ground	ton	13, 200	2,625,86
Spinning custom	Spikes, other		-	52,61 1,919,04
Spinnings, metal, etc.	Spinning custom			217.75
Spirits produced during the year but placed in bond for maturing:	Spinnings, metal, etc			
	From grain	pf. gal.		14,144,56 516,80

¹ Indicated that commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
A Control of the Profession Technique			\$
irits, beverage, sold outside the Distilling Industry: Whiskey, Highland type	pf. gal.	110,074	905,50
Canadian rve type	1 ""	13,015,826	106,343,50
Whiskey other types		16,800 1,395,121	9,093,1
Gin Brandy		88, 457	788, 39
Rum		759, 299	5 326 1
Other beverage spirits	1	391,583	2, 990, 3
onges, cellulose		Arres	893, 84
oois, bobbins and shuttles	_	***	1, 520, 5
orting goods, not specified		-	1,005,1
raving and dusting machines and equipment including hand sprayers		-	1,200,2 8,026,1
rings, automobile, chassis			0,020,1
rings, bed; Box	No.	258, 192	6, 223, 8
Coil		488	47, 4 611, 8
Cable		103,972 69,365	611, 80 852, 50
Link Slat	8.6	240,091	2, 173, 1
Not specified	. 1	75,500	740, 5
rings (upholstering and construction for sutomobiles and trucks)	.	-	-
rings upholstering other		**************************************	3,924,5 979,1
rings, for cars and locomotives rings, n.e.s.			4,069,8
Hills, 11.45.5 uares, sawn (spoolwood and other) abilizers, ice cream, etc.	M ft. b.m.	10,541	1,300,0
abilizers, ice cream, etc.	. lb.	142, 283	74,5
ains	. 641.	301, 190	1,040,3 9,702,1
ampings, metal, n.e.s. amps, postage, revenue, etc.		_	1, 354, 1
amps, rubber			1,661,5 162,1
amps, not specified	- -		162, 1
aples, wire	keg.	25, 861	300,4
arch, corn, ediblearch, corn, laundry		_	1
arch wheat	. -	and a	1
arch and flour, potato	. ton	5, 135	695, 2
arch and flour, potato arch blended (in ''Starch and starch products'') arch and starch products			1 241 4
arch and starch products		_	1,341,4
ationery goods, not specified atues, art goods and church supplies aves, barrel	_		1,536,5
aves, barrel		-	1,014,9
eam	. -	_	1,473,0
eam traps, etc	1b.	554, 460	1,616,2 48,8
earineeel erected (structural work):		001,100	
Bridges	. ton	43, 236	24,437,9 104,788,2 13,510,3
Buildings		316,811	104, 788, 2
Transmission towers		37,427 33,149	11, 982, 6
eel shapes, structural (angles, channels, tees, etc.):		00, 220	
Quantity made Quantity shipped	. ton	217, 137	
Quantity shipped		231,957	30,989,0
eel and alloy steel ingots:	4.6	4, 262, 122	
Quantity madeQuantity shipped		9, 492	1,098,3
eel miscellaneous		-	24,383,6
eel wool		-	1
ellite		gálio. Mente	807,
encilsockinette (see ''Knitted Fabrics'')			
okers, mechanical	. No.	1,099	1,076,
oker parts	. -	_	861, 5,638,
one, artificial			267,
ore fixtures, n.e.s			2017
Coal, wood and sawdust	. No.	48,698	2, 252,
Coal, wood and sawdust		14,415	3,369,
Electric stoves or ranges, all styles	.	226,079 25,610	33,727, 1,028,
Electric rangettes		109,681	2,025,
Gasoline, fuel oil or kerosene stoves or space-heaters (heating)		49,849	2,743,
Gas stoves (heating)		12,652 37,729	548,9 5,086,6
Gas cooking plates no oven	•	12, 179	97,0
Gas cooking plates, no oven	_	A 201 A 10	2,639,0
ove pipes (see "Pipes and elbows, stove")			
raps, leather	, doz.	89, 208	303, 428,
raws, drinking	. M	761,719	428,
reptomycin preparationsraniolotics)		_	379,
yrene	. -	_	2
igar butter	. lb.	4,971,271	1,117,
ngar granulated:	44	288 175 710	25, 959, 0
		288, 175, 719	20, 505,
Beet		1, 105, 350, 634	00. 034.
Beet Cane Igar, brown or yellow		1, 105, 350, 634 133, 181, 970 73, 897, 795	86,032,7 10,536,6 6,790,5

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1958 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Sugar loof			\$
Sugar, loaf Sugar of milk	lb.	12, 956, 136	1,426,852
Sugar, pulverized (no starch added) Suits: (see also "Clothing, suits, sport") Boys":	lb.	7,795,500	688,767
Rayon	No.	127, 291	1,316,249
Rayon and wool, chiefly rayon	66	8,611 42,036	93, 270 557, 535
Wool	44	10,667	135,905
Other		37,016	53,600
Cotton	66	31,788	83,215
Rayon and mixtures Wool and partly wool Plansite and work suits and	44	33,491 47,388	166,664 367 437
Flayoutto and wash suits, it.s.	doz.	162, 203	367, 437 2,640,611
Other	No.	4, 200	16,800
Rayon and wool, chiefly rayon	68	107,589	2,061,318
Rayon and woor, enterly woor	6.6	214, 996 93, 195	4,001,583 2,618,466
Wool	4.6	1, 259, 283	49,634,435
Women's and misses':		4,807	113,570
Cotton	66	62, 149	241,340
Wool and partly wool	44	68,678 445,234	910,757 12,205,622
Not specified Suits and dresses, women's and children's, knitted (see "Dresses, wool, knitted") Suits, uniform:	66	43,932	712, 420
Men's and youths': Military	64	47 104	817.015
Non-military	44	47, 184 147, 326	4, 458, 337
Sulphonamide (sulpha) preparations Sulphur	ton	163, 191	2, 239, 069 3, 190, 783
Sulphur dioxide, liquid	4.6	98,263	1, 381, 989
Superheaters	No.	33 14,853	1, 925, 131 617, 584
Superphosphate milled, screened and bagged Superphosphate, other (included in "Fertilizers, other than mixed") Surgical and orthopaedic appliances and surgical dressings: Surgical bandages and dressings		21,000	
Surgical belts	No.	32,715	6, 487 , 833 183, 539
Surgical stockings, elastic Orthopaedic boots	pr.	207	557, 490 8, 943
Orthopaedic corsets	44	29,065	196,697
Artificial limbs	No.	1, 281	366,505 674,921
Trusses	No.	35,710	173, 223
Other surgical supports Not specified			611,422 90,934
Suspenders, supporters and garters	doz.	470,030	1, 239, 988
Swathers	No. doz.	4,913 1,324,743	5, 402, 047 42, 836, 73 9
Sweepers for roads and streets		-	1
Switch gear and protective equipment (except telephone switch-boards) Synthetics and plastics products, n.e.s. (see also "Laminates, plastic, etc.")	_	_	984, 124 62, 381, 120
Synthetics and plastics products, n.e.s. (see also "Laminates, plastic, etc.")	doz.	13,628	94,669,631 109,614
Syrup, beverage	gal.	766,809	1,968,312
Syrup, corn Syrup, fountain, fruit, etc.	_	_	1, 285, 047
Syrup, table	-	-	1,039,699
Syrups from cane, not including molasses	gal.	5,635,938	10, 246, 499
Sytup making equipment (maple)	_	-	349, 330 152, 928
Syrups, other Table cloths and napkins (fabric) Table cloths, plastic, rubber, etc.		_	204, 351
Pable cloths, plastic, rubber, etc.	doz.	67,043	582,487 3,222,340
Tableware, plastic	_	****	1,568,489
Tacks, cut, wire		_	950, 269 18, 483, 065
Tags and labels, shipping Tags and tickets, price	-	_	2, 893, 466
Tailors' supplies, n.e.s. Tallow	_	_	2,790,258 13,707,976
Tankage, animal (raw and processed)	lb.	103,689,364	4,369,826
Tanks, steel, storage, black, galvanized, etc		_	17, 158, 974 4, 343, 879
Tanks, steel, pneumatic	-	-	730,016 810,802
Tanks, steel, septic	_	=	7, 181, 298
rape, adnesive		1,474,852	1
Tape, rubber and friction Tape, paper, gummed	1b. —	1,4(4,002	1, 136, 013 5, 012, 877
Tape, pressure, sensitive	-	-	6,061,353 567,701
Tape, telegraph and ticker	_		3,020,037
Tapes, measuring Tapestries and other upholstering fabrics	-	-	7,893,064
	_		1,000,004

¹ Indicates that the commodity was reported by one or two concerns.

ar, coal, crude ar, refined ar, refined argets, aerial, etc. ea, blended, etc. elecommunication equipment, n.e.s. elephone material elevision picture tubes elevision picture tubes ennis table equipment, n.e.s. enoners, wood-working ents extile and leather specialties, n.e.s. hermometers, all kinds hinkers, prycxylin hinners, prycxylin hinners, prycxylin hinurea hread, cotton hread, rayon, silk, etc. hreshers (stationary) tes, wooden lle, acoustic lle, asphalt lle, asphalt lle, gypsum lle, haydite (included under Building blocks, etc.) lle, linoleum lle, plastic, all kinds lle, rinyl asbestos, floor lle from domestic clay: Drain Floor Wall lie, rubber lie, rubber lie, not specified lie, no	gal. lb. No. gal. No. sq. ft.	37, 279, 175 3, 213, 996 41, 861, 637	\$ 4, 95 2, 764 700, 334 239, 537 48, 514, 684 6, 689, 944 74, 102, 25 69, 654, 16* 10, 535, 19 92, 07* 3, 122, 600 4, 485, 85; 1782, 963 4, 034, 05- 10, 411, 17; 2, 314, 72(41, 506, 48; 282, 67* 8, 955, 81; 2, 428, 13; 2, 343, 396
ar, refined argets, serial, etc. ea, blended, etc. ea, blended, etc. ea, blended, etc. elepomounication equipment, n.e.s. elephone material elevision picture tubes emis table equipment, n.e.s. emis table equipment, n.e.s. eminers, wood-working ents extile and leather specialties, n.e.s. enemometers, all kinds hinners, pyroxylin hinourea hinckeners, mining and metallurgical hinners, pyroxylin hinourea hread, cotton hread, rayon, silk, etc. hreshers (combine reaper-threshers and attachments) hreheshers (stationary) lie, acoustic lie, asphalt lie, acoustic lie, asphalt lie, plastic, all kinds lie, plistic, all kinds lie, plistic, all kinds lie, plistic, all kinds lie, pistic, all kinds lie, ring asbestos, floor lie from domestic clay: Drain Floor lie from imported clay: Floor Wall lie, chollow blocks including fire-proofing and load-bearing tile lie, not specified ling and ling scrap ling plate (included with "Sheets, strips, etc.") linner, interval lin nat tin alloys in plate (included with "Sheets, strips, etc.") linner, platency lier fabrics lires and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. lires, solid and cushion lires, not specified Tubes, passenger car, trucks, etc: Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. lires, solid and cushion lires, not specified Tubes, passenger car, trucks, etc: Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. lires, solid and cushion lires, not specified Tubes, passenger car, trucks, etc:	No	3,213,996 41,861,637 	700, 33i 239, 53' 48, 514, 68i 6, 689, 94i 74, 102, 25 69, 654, 16' 10, 535, 19 92, 07' 3, 122, 60d 4, 485, 85' 1782, 96i 4, 034, 05d 10, 411, 17 2, 314, 72(41, 506, 48 282, 67' 8, 955, 81'
argets, aerial, etc. ea, blended, etc. elecommunication equipment, n.e.s. elechone material elevision receiving sets and equipment elevision receiving sets and equipment elevision picture tubes ennis table equipment, n.e.s. ennors, wood-working ents extile and leather specialties, n.e.s. entermometers, all kinds hickeners, mining and metallurgical hinners, pyroxylin hinners, pyroxylin hinners, pyroxylin hinners, pyroxylin hinners (argon, silk, etc. hreshers (combine reaper-threshers and attachments) hreshers (stationary) lees, wooden lle, acoustic lle, asphalt lle, appsum lle, haydite (included under Building blocks, etc.) lle, gapsum lle, haydite (included under Building blocks, etc.) lle from domestic clay: Drain Floor lle from domestic clay: Floor lle from imported clay: Floor wall lie, rubber lie, hollow blocks including fire-proofing and load-bearing tile lie, not specified lle board, enamelled inners, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap inners, interval in and tin alloys in plate (included under Sirps, etc.") inner plate scrap inners, interval in plate to the proofing and load-bearing tile lie, rot specified lie board, enamelled inners, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inner plate scrap inners, interval in plate (included with "Sheets, strips, etc.") inner plate, suto ire fabrics ires and tubes: Tries, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, solid and cushion ires, not specified Tubes, passenger car, trucks, etc: Passenger car	No.	41,861,637 	239, 53' 48, 514, 68! 6, 689, 94! 74, 102, 25 69, 654, 16' 10, 535, 19, 92, 07' 3, 122, 600 4, 485, 85; 782, 96! 4, 034, 05; 10, 411, 17; 2, 314, 72(41, 506, 48; 282, 67' 8, 955, 81'
ea, blended, etc. elephone material elephone material elevision picture tubes ennis table equipment, n.e.s. elevision equipment, n.e.s. ennis table equipment, n.e.s. elevision equi	No.	531,901 	6,689,94; 74,102,25 69,654,16; 10,535,19 92,07; 3,122,60; 4,485,85; 1782,96; 4,034,05; 10,411,17; 2,314,72; 41,506,48; 282,67; 8,955,81;
elephone material elevision receiving sets and equipment elevision picture tubes ennis table equipment, n.e.s. ennors, wood-working ents ents ents ents ents ents ents ents	No	65, 681 - 2, 784, 940 2, 645, 125 483, 958 16, 246 - 24, 513, 397 19, 019, 587	74,102,25 69,654,167 10,535,19 92,076 3,122,600 4,485,857 782,969 4,034,056 10,411,177 2,314,726 41,506,48 282,676
elevision receiving sets and equipment elevision picture tubes ennist able equipment, n.e.s. ennores, wood-working ents extile and leather specialties, n.e.s. hermometers, all kinds hinners, pyroxylin hinners, pyroxylin hinners, pyroxylin hinners, pyroxylin hinners, nyroxylin hinners, exterior and attachments) hread, cotton hread, rayon, silk, etc. hreshers (combine reaper-threshers and attachments) hreshers (stationary) lees, wooden lile, acoustic lile, asphalt lile, gypsum lile, haydite (included under Building blocks, etc.) lile, linoleum lile, plastic, all kinds lile, vinyl asbestos, floor lile from domestic clay: Drain Floor lile from imported clay: Floor wall lile, rubber lile, hollow blocks including fire-proofing and load-bearing tile lile, not specified lile board, enamelled limers, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap inner, japanned or not ire braids, auto ire frabrics ires and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. lires, not specified lires, passenger car, trucks, etc: Passenger car Trucks, specified lires, not specified lires, not specified lires, passenger car Trucks, specified lires, passenger car Trucks, specified lires, passenger car Trucks, etc: Passenger car	No. gal. lb. No. sq. ft.	65, 681 - 2, 784, 940 2, 645, 125 483, 958 16, 246 - 24, 513, 397 19, 019, 587	10,535,19,92,07(3,122,60(4,485,85; 782,96(4,034,05(10,411,17,2,314,72(41,506,48; 282,67(8,955,81)
enoners, wood-working ents extile and leather specialties, n.e.s. hermometers, all kinds hickeners, mining and metallurgical hinners, pyroxylin hiourea hread, cotton hread, rayon, silk, etc. hreshers (combine reaper-threshers and attachments) hrehershers (stationary) les, wooden lel, acoustic lle, asyshalt lle, gypsum lle, haydite (Included under Building blocks, etc.) lle, linoleum lie, plastic, all kinds lle, vinyl asbestos, floor lie from domestic clay: Drain Floor Wall lie, rubber lie from imported clay: Floor wall lie, not specified lie board, enamelled imers, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap hware, japanned or not tre braids, auto tre fraids, auto tre fraids tres, and tubes: Tries, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, not specified lies, notorcycle, industrial, etc. n.e.s. ires, solid and cushion ires, not specified liers, not specif	No. gal. lb. No. sq. ft.	65, 681 - 2, 784, 940 2, 645, 125 483, 958 16, 246 - 24, 513, 397 19, 019, 587	92,07: 3,122,60 4,485,85: 1782,96: 4,034,05: 10,411,17 2,314,72: 41,506,48 282,67: 8,955,81
enoners, wood-working ents extile and leather specialties, n.e.s. hermometers, all kinds hickeners, mining and metallurgical hinners, pyroxylin hiourea hread, cotton hread, rayon, silk, etc. hreshers (combine reaper-threshers and attachments) hrehershers (stationary) les, wooden lel, acoustic lle, asyshalt lle, gypsum lle, haydite (Included under Building blocks, etc.) lle, linoleum lie, plastic, all kinds lle, vinyl asbestos, floor lie from domestic clay: Drain Floor Wall lie, rubber lie from imported clay: Floor wall lie, not specified lie board, enamelled imers, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap hware, japanned or not tre braids, auto tre fraids, auto tre fraids tres, and tubes: Tries, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, not specified lies, notorcycle, industrial, etc. n.e.s. ires, solid and cushion ires, not specified liers, not specif	gal. lb. No sq. ft sq. ft.	2,784,940 2,645,125 483,958 16,246 24,513,997 19,019,587	3,122,60 4,485,85 782,96 4,034,05 10,411,17 2,314,72 41,506,48 282,67 8,955,81
hermometers, all kinds hinckeners, mining and metallurgical hinners, pyroxylin hiourea hread, cotton hreshers (combine reaper-threshers and attachments) hreshers (stationary) lees, wooden lle, acoustic lle, asphalt lle, pasphalt lle, haydite (included under Building blocks, etc.) lle, linoleum lle, haydite (included under Building blocks, etc.) lle, linoleum lle, plastic, all kinds lle, vinyl asbestos, floor lle from domestic clay: Drain Floor lle from imported clay: Floor lie from imported clay: Floor ile, hollow blocks including fire-proofing and load-bearing tile lie, not specified lle board, enamelled iners, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap innere, japanned or not ire braids, auto ire fabrics ires and tubes: Tries, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, not specified lies, not specified liers, not specified Tubes, passenger car, trucks, etc: Passenger car Trucks, specified liers, not specified liers, not specified Tubes, passenger car, trucks, etc:	gal. lb. No sq. ft sq. ft.	2,784,940 2,645,125 483,958 16,246 24,513,997 19,019,587	4,485,85 782,96 4,034,05 10,411,17 2,314,72 41,506,48 282,67 8,955,81
hermometers, all kinds hinckeners, mining and metallurgical hinners, pyroxylin hiourea hread, cotton hreshers (combine reaper-threshers and attachments) hreshers (stationary) lees, wooden lle, acoustic lle, asphalt lle, pasphalt lle, haydite (included under Building blocks, etc.) lle, linoleum lle, haydite (included under Building blocks, etc.) lle, linoleum lle, plastic, all kinds lle, vinyl asbestos, floor lle from domestic clay: Drain Floor lle from imported clay: Floor lie from imported clay: Floor ile, hollow blocks including fire-proofing and load-bearing tile lie, not specified lle board, enamelled iners, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap innere, japanned or not ire braids, auto ire fabrics ires and tubes: Tries, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, not specified lies, not specified liers, not specified Tubes, passenger car, trucks, etc: Passenger car Trucks, specified liers, not specified liers, not specified Tubes, passenger car, trucks, etc:	gal. lb. '' No. sq. ft.	2,645,125 483,958 16,246 24,513,397 19,019,587	782,96 4,034,05 10,411,17 2,314,72 41,506,48 282,67 8,955,81
hinners, pyroxylin hiourea hread, cotton hread, rayon, silk, etc. hreshers (combine reaper-threshers and attachments) hreshers (stationary) lee, acoustic lle, acoustic lle, aphalt lle, paybant lle, haydite (included under Building blocks, etc.) lle, linoleum lle, plastic, all kinds lle, plastic, all kinds lle, vinyl asbestos, floor lle from domestic clay: Drain Floor lie from imported clay: Floor lie from imported clay: Floor lie, lollow blocks including fire-proofing and load-bearing tile lie, not specified lle board, enamelled imers, interval in and tin alloys In plate (included with "Sheets, strips, etc.") Inned plate scrap Inner, interval in reaping Inner, japanned or not ire braids, auto ire fabrics ires and tubes: Trires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, not specified lies, not specified lies, passenger car, trucks, etc: Passenger car, trucks, etc:	No	2,645,125 483,958 16,246 24,513,397 19,019,587	10, 411, 17 2, 314, 72 41, 506, 48 282, 67 8, 955, 81
hiourea hread, cotton hread, cyon, silk, etc. hreshers (combine reaper-threshers and attachments) hreshers (stationary) lees, wooden ile, acoustic lee, asphalt lee, gypsum lie, haydite (included under Building blocks, etc.) lie, linoleum lie, linoleum lie, linoleum lie, linoleum lie, vinyl asbestos, floor lie from domestic clay: Drain Floor lie from imported clay: Floor lie from imported clay: Floor lie, hollow blocks including fire-proofing and load-bearing tile lie, not specified lie loard, enamelled limers, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap innere, included with "Sheets, strips, etc.") innere plate scrap innere, inpanned or not ire braids, auto ire fabrics ires and tubes: Tries, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, solid and cushion ires, not specified Tubes, passenger car, trucks, etc: Passenger car Trucks, specified Intes, not specified Intes, passenger car Trucks, etc: Passenger car	No	2,645,125 483,958 16,246 24,513,397 19,019,587	10, 411, 17 2, 314, 72 41, 506, 48 282, 67 8, 955, 81
hread, cotton hread, rayon, silk, etc. hreshers (combine reaper-threshers and attachments) hreshers (stationary) les, wooden lle, acoustic lle, asphait lle, pasphait lle, haydite (included under Building blocks, etc.) lle, linoleum ile, plastic, all kinds lle, vinyl asbestos, floor ile from domestic clay: Drain Floor lie from imported clay: Floor wall lie, rubber ile, hollow blocks including fire-proofing and load-bearing tile lie, not specified ile board, enamelled imers, interval in and tin alloys in plate (included with "Sheets, strips, etc.") hunder plate scrap inneare, japanned or not ire braids, auto ire fabrics ires and tubes: Trices, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, not specified ites, passenger car, trucks, etc: Passenger car Trucks, specified Intes, not specified Intes, not specified Intes, passenger car, trucks, etc: Passenger car Trucks, specified	No. — — — sq. ft. — — sq. ft. "'	483,958 16,246 — 24,513,397 19,019,587 — — ————————————————————————————————	2,314,72 41,506,48 282,67 8,955,81
hreshers (stationary) les, wooden lle, acoustic lle, asphalt lle, haydite (included under Building blocks, etc.) lle, linoleum lle, plastic, all kinds lle, vinyl asbestos, floor lle from domestic clay: Drain Floor lie from imported clay: Floor lie from imported clay: Floor lie, rouber lie, nollow blocks including fire-proofing and load-bearing tile lie, not specified lle board, enamelled lmers, interval ln and tin alloys ln plate (included with "Sheets, strips, etc.") linned plate scrap linware, japanned or not lire braids, auto lire frabics lites and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. lires, not specified lies, not specified lie, not specified lie, look of the braids and lie lie lie, look of the braids, auto lire fabrics lites and tubes: Trires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. lires, solid and cushion lires, not specified Tubes, passenger car, trucks, etc: Passenger car Trucks, specified	sq. ft.	16, 246 	41,506,48 282,67 8,955,81
hreshers (stationary) les, wooden lle, acoustic lle, asphalt lle, haydite (included under Building blocks, etc.) lle, linoleum lle, plastic, all kinds lle, vinyl asbestos, floor lle from domestic clay: Drain Floor lie from imported clay: Floor lie from imported clay: Floor lie, rouber lie, nollow blocks including fire-proofing and load-bearing tile lie, not specified lle board, enamelled lmers, interval ln and tin alloys ln plate (included with "Sheets, strips, etc.") linned plate scrap linware, japanned or not lire braids, auto lire frabics lites and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. lires, not specified lies, not specified lie, not specified lie, look of the braids and lie lie lie, look of the braids, auto lire fabrics lites and tubes: Trires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. lires, solid and cushion lires, not specified Tubes, passenger car, trucks, etc: Passenger car Trucks, specified	sq. ft.	19,019,587 - - - 11,493,104	8,955,81
lle, acoustic lle, asphalt lle, asphalt lle, haydite (included under Building blocks, etc.) lle, linoleum lle, plastic, all kinds lle, vinyl asbestos, floor lle from domestic clay: Drain Floor lie from imported clay: Floor wall lle, rubber lie, hollow blocks including fire-proofing and load-bearing tile lie, not specified lle board, enamelled lmers, interval ln and tin alloys ln plate (included with "Sheets, strips, etc.") lnned plate scrap lnnare, japanned or not lire braids, auto lire fraids, auto lire fraids, auto lire fraids lers and tubes: Tries, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. lires, not specified lires, passenger car, trucks, etc: Passenger car Trubes, passenger car, trucks, etc:	- sq. ft.	19,019,587 - - - 11,493,104	2, 428, 13 2, 343, 39
ile, asphalt ile, gypsum ile, haydite (included under Building blocks, etc.) ile, linoleum ile, plastic, all kinds ile, vinyl asbestos, floor ile from domestic clay: Drain Floor ile from imported clay: Floor Wall ile, rubber ile, hollow blocks including fire-proofing and load-bearing tile ile, hollow blocks including fire-proofing and load-bearing tile ile, not specified ile board, enamelled imers, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap inware, japanned or not ire braids, auto irre fabrics ites and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, solid and cushlon ires, not specified Tubes, passenger car, trucks, etc: Passenger car Fuses, passenger car, trucks, etc:	- sq. ft.	19,019,587 - - - 11,493,104	2, 343, 39
ile, gypsum ile, haydite (included under Building blocks, etc.) ile, linoleum ile, plastic, all kinds ile, vinyl asbestos, floor ile from domestic clay: Drain Floor ile from imported clay: Floor ile, rubber ile, notlow blocks including fire-proofing and load-bearing tile ile, hollow blocks including fire-proofing and load-bearing tile ile, not specified ile board, enamelled imers, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap inneare, japanned or not ire braids, auto ire fabrics ites and tubes: Tries, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, not specified ites, not specified	"	11,493,104	
ile, linoleum ile, plastic, all kinds ile, vinyl asbestos, floor ile from domestic clay: Drain Ploor ile from imported clay: Floor wall ile, rubber ile, hollow blocks including fire-proofing and load-bearing tile ile, hollow blocks including fire-proofing and load-bearing tile ile board, enamelled iners, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap innware, japanned or not ire braids, auto ire fabrics ites and tubes: Tries, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, solid and cushlon ires, not specified Tubes, passenger car, trucks, etc: Passenger car Frassenger car Trucks, specified	"	11,493,104	
ile, plastic, all kinds ille, vinyl asbestos, floor ile from domestic clay: Drain Floor ile from imported clay: Floor Wall ile, rubber ile, rubber ile, nollow blocks including fire-proofing and load-bearing tile ile, not specified ile board, enamelled imers, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap inware, japanned or not ire braids, auto ire fabrics ires and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, solid and cushion ires, not specified Tubes, passenger car, trucks, etc: Passenger car Fuse, specified	"	11,493,104	1
ile from domestic clay: Drain Floor Itle from imported clay: Floor Wall itle, rubber itle, hollow blocks including fire-proofing and load-bearing tile lie, not specified lie, not specified lie board, enamelled imers, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap inware, japanned or not ire braids, auto ire fabrics ires and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, not specified Itles, passenger car, trucks, etc: Passenger car Trucks, specified	M	00 004 005	3, 242, 84
Drain Floor Wall ile from imported clay: Floor Wall ile, rubber ile, hollow blocks including fire-proofing and load-bearing tile ile, hollow blocks including fire-proofing and load-bearing tile ile board, enamelled ile board, enamelled imers, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap inware, japanned or not ire braids, auto ire fabrics iters and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, solid and cushlon ires, not specified Tubes, passenger car, trucks, etc: Passenger car	M	37, 804, 325	7, 457, 24
Floor tile from imported clay: Floor Wall tile, rubber tile, hollow blocks including fire-proofing and load-bearing tile tile, hollow blocks including fire-proofing and load-bearing tile tile, hollow blocks including fire-proofing and load-bearing tile tile, not specified tile board, enamelled tile board, enamelled timers, interval tin plate (included with "Sheets, strips, etc.") tin plate (included with "Sheets, strips, etc.") tinned plate scrap tinware, japanned or not tire braids, auto tire fabrics tires and tubes: Tries, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. tires, solid and cushion tires, not specified Tubes, passenger car, trucks, etc: Passenger car		62,351	3,589,85
Floor Wall ile, rubber ile, hollow blocks including fire-proofing and load-bearing tile ile, not specified ile board, enamelled imers, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap inware, japanned or not ire braids, auto ire fabrics ires and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, not specified Tubes, passenger car, trucks, etc: Passenger car		174, 181	70,89
wall ile, rubber ile, hollow blocks including fire-proofing and load-bearing tile ile, not specified ile board, enamelled in and tin alloys in plate (included with "Sheets, strips, etc.") inneed plate scrap inware, japanned or not ire braids, auto ire fabrics ires and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, not specified Tubes, passenger car, trucks, etc: Passenger car	-		1
ile, not specified ile board, enamelled imers, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inped plate scrap inware, Japanned or not ire braids, auto ire fabrics ites and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, not specified Tubes, passenger car, trucks, etc: Passenger car	sq. ft.	6, 261, 980 7, 880, 321	2,986,48
ile, not specified ile board, enamelled imers, interval in and tin alloys in plate (included with "Sheets, strips, etc.") inped plate scrap inware, Japanned or not ire braids, auto ire fabrics ites and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, not specified Tubes, passenger car, trucks, etc: Passenger car	ton	159, 114	2,049,23 3,110,74
imers interval in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap inware, Japanned or not lire braids, auto lire braids, auto lire traids. It is and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. lires, not specified Tubes, passenger car, trucks, etc: Passenger car	-	-	1, 209, 55
in and tin alloys in plate (included with "Sheets, strips, etc.") inned plate scrap inware, japanned or not ire braids, auto ire fabrics ires and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, solid and cushion ires, not specified Tubes, passenger car, trucks, etc: Passenger car	_	_	1
inned plate scrap inware, japanned or not ire braids, auto ire fabrics ites and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, solid and cushion ires, not specified Tubes, passenger car, trucks, etc: Passenger car	lb.	637, 106	417,91
inware, japanned or not ire braids, auto ire rabrics auto ires and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, solid and cushion ires, not specified Tubes, passenger car, trucks, etc: Passenger car	ton	31,795	641,91
ire fabrics ires and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, solid and cushion ires, not specified Tubes, passenger car, trucks, etc: Passenger car	-	- 1	1,677,86 1,345,72
fres and tubes: Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, solid and cushion ires, not specified Tubes, passenger car, trucks, etc: Passenger car	ton lb.	3, 200 24, 590, 082	1,345,72 22,887,90
Tires, pneumatic (including tubeless): Passenger car Truck and bus Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, solid and cushion ires, not specified Tubes, passenger car, trucks, etc: Passenger car	10.	24,000,002	22,001,00
Truck and bus Aeroplane Tractor and implement Elcycle, motorcycle, industrial, etc. n.e.s. ires, solid and cushion ires, not specified Tubes, passenger car, trucks, etc: Passenger car	NO	6 767 960	91, 844, 88
Aeroplane Tractor and implement Bicycle, motorcycle, industrial, etc. n.e.s. ires, solid and cushion ires, not specified Tubes, passenger car, trucks, etc: Passenger car	No.	6,767,860 829,021	51,602,06
Bicycle, motorcycle, industrial, etc. n.e.s. ires, solid and cushion ires, not specified Tubes, passenger car, trucks, etc: Passenger car	46	13,389	573,58
ires, solid and cushion ires, not specified Tubes, passenger car, trucks, etc: Passenger car		293,623 427,316	8,392,23 791,76
ires, not specified Tubes, passenger car, trucks, etc: Passenger car	**	83, 448	258, 2
Passenger car	lb.	971,665	185,4
Truck and hus	No.	2,612,459	4,604,5
Truck and bus	44	585,912	2, 738, 4
Aeroplane Tractor and implement	**	2, 181 237, 882	20,7 752,0
Motorcycle, bicycle, etc.	* *	429, 353	291,4
ires, railway car issues, cleansing, paper	lb.	61, 276, 773	17, 445, 4
obacco: ²	No.	311,645	2, 909, 9
Obacco: ² Chewing, twist	lb.	100,585	250,9
Chewing plug	-	- 1	1
Smoking, leaf	lb.	40,695	29,6
Smoking, cut	_	21, 382, 104	55, 282, 3
Snuff			1 100 100 0
Snuff obacco, raw leaf, processed* obacco curing equipment	lb.	160, 225, 608	108, 190, 9 213, 7
obacco pouches	No.	52,846	17,0
oboggans	"	197, 179	810,3
oilet preparations, n.e.s.: Bath salts and bath oils	_		1,612,5
Bath salts and bath oils Creams solid or liquid, all kinds	-	_	4,764,1
Home permanent wave kits	_	_	2,801,1 3,586,8
Shampoos and hair rinses	_	_	5,289,2
Bay rum, hair tonics, brillantine liquid, etc.	-	_	9, 178, 3 5, 363, 1
Toilet water and lotions Shaving preparations	_		1,448,7
All other	-	_	10, 222, 8
oilet seats oiletware, sterling silver	No.	394, 451	1,717,2
olletware, sterling silver	_	_	1
'oluene and toluol*	_	44, 298, 802	1,027,8 9,642,6

 $^{^{\}rm t}$ Indicates that the commodity was reported by one or two concerns. $^{\rm 2}$ Includes excise duties and sales tax.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Tomato juice	lb.	141,514,347	12,608,993
Tomato paste and puree Tools, automotive (hand and power driven)	10.	6,878,594	685,071
1 001S, fland, fl.e.S. (Dower-driven)		_	2,088,561 2,544,681
Tools, carpenters and mechanics' other than portable pneumatic and electric tools	_	_	4,397,182
Tools, machine, n.e.s. Tools, small, cutting		_	2,540,509 3,700,248
Tools, n.e.s.	_ [3,048,309
Toothpicks	_	_	141,368 1,774,479
Towelling (included in "Cotton fabrics, broad woven") Towels, all kinds			
Towels, paper		_	5,401,598 4,657,269
Toys: Metal			
Plastic, including wading pools			1,088,141 8,805,835
Rubber	-	-	402,691
Miscellaneous, including model aeroplanes		_	1,016,961 4,397,100
Tractors	_	-	10,528,145
Trailers:		_	5,509,620
Cabin or house type	-	-	11,789,358
Logging		_	19, 148, 592 473, 718
Not specified	_	-	497,005 1,907,197
Transfers, paper, dry	_		191,470
Transformer parts	-	-	62,615,569
Transplanters Transmission towers, electric (see "Steel erected")	_	_	1,631,923 130,731
Transmission towers, electric (see "Steel erected") Traps and fittings, lead			599 041
Traps, animal	- 1	_	522,041
Trays, food	_	_	1,484,745
Trimmings, not specified	_	_	1,087,067
Trucks, factory, etc. including industrial		_	1,089,502 4,322,672
Trucks, farm	No.	1,635	238,530
Trucks, other n.s. Trunks, all kinds		_	347,800 1,379,109
Tubes, collapsible	_	_	2,972,841
Tubes, n.e.s. including electron	-	57,002	199,401 578,900
Tubes, shipping	_	-	1
Tubing and pipe, brass, bronze and aluminum Tubing, plastic	_	_	12, 192, 390 2, 111, 721
Tubing, rubber	lb.	350,855	394,344
Tubing and wristing, knitted, including that for further processing	ton	1,893	709,951 1,593,027
Tubs, laundry, cement	No.	83, 136	829,585
Turbines and water wheels	gal.	538, 352	20,002,035 212,380
Twine and cordage:	lb.	42,685,184	5, 754, 544
Baler twine, all sisal	6.6	17,809,588	2,388,978
Other twine, all sisal	66	4,056,856 137,666	941,332 108,551
Other twine, all hemp and all flax	**	2,690,963	785, 250
Other twine and cordage, not specified	lb.	6,918,290	4,973,635 2,373,043
Type and type metal	- 1	-	7, 946, 162
Typewriters	No.	82,462	11,679,293 1,910,078
Typewriter and other machine ribbons	doz.	35,260	983, 146
Undertakers' supplies (see "Morticians' goods") Underwear, knitted, or of knitted fabrics: Men's and youths":			
Combinations: Cotton or chiefly cotton	doz.	155, 270	4, 122, 971
Wool or chiefly wool	66	21,830	1, 173, 640 27, 539
Other Shirts;		1, 267	
Cotton or chiefly cotton	66	474,790 13,751	3,516,616 368,869
Wool or chiefly wool		2, 886	32, 693
Drawers:	60	167,573	2, 258, 167
Cotton or chiefly cotton		7, 450 2, 238	244,407
Other	4.6	2, 238	22,671
Shorts: Cotton or chiefly cotton		671,698	3,933,342
Other	14	4,456	71,608
Boys': Combinations:			000 400
Cotton or chiefly cotton	66	51,870	853,428

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
Underwear, knitted, or of knitted fabrics—Concluded:			\$
Boys' - Concluded:			
Shirts: Cotton or chiefly cotton	doz.	134,779	622,563
Other	"	532	2,445
Drawers: Cotton or chiefly cotton	d E	85,698	638, 137
Not specified	6.6	2	29
Shorts: Cotton or chiefly cotton		234, 280	963,798
Not specified	"	7,246	41,761
Women's and Misses'; Combinations:			
All kinds		227	6,485
Drawers: All kinds	**	2, 209	24, 152
Bloomers, panties, etc.:	4.6	212 024	1,420,967
Cotton or chiefly cotton	**	312,024 246,579	1,379,832
Rayon or chiefly rayon	66	1, 220, 538	5, 390, 013 326, 495
Not specified		33,599	325,493
Cotton or chiefly cotton		79,653	531, 885
OtherGirls:		24, 315	225,073
Combinations	-	-	1
Bloomers, panties, etc.: Cotton or chiefly cotton	doz.	156, 127	572,411
Rayon or chiefly rayon	66	33, 214	128, 148 19, 288
Not specified		1,900	19,200
Not specified	6.6	950	5,225
Vests: Cotton or chiefly cotton	**	64,204	294,027
Not specified	4.6	735	5,808
Children's and infants': Combinations:			
All kinds	**	14,341	175,397
Drawers, bloomers and panties: Cotton or chiefly cotton	44	468,573	1,347,090
Nylon or chiefly nylon	64	45,757	155,054
Rayon or chiefly rayon	**	235, 212 16, 557	725, 398 82, 115
Vests:			
Cotton or chiefly cotton	4.6	246,065 45,457	1,018,612 278,737
Underwear, woven fabrics:		20, 101	210,101
Men's and youths': Shorts:			
Cotton	44	130,376	1, 150, 769
Other	8-6	17, 356	112,732
Bloomers, panties, etc.:			
Cotton or chiefly cotton	66	17,558 32,779	45, 272 131, 252
Other		02,110	101, 202
Bloomers, panties, etc.:	44	67,971	115,543
Cotton or chiefly cotton	**	8,634	30, 221
Underwear, not specified: Children's:			
Men's and boys'	44	49, 280	244,726
Not specified	**	75	750
Rayon and rayon mixture	6.6	279,732	4,861,502
Cotton	46	265,461 389,183	3,894,610 8,053,738
Nylon Not specified	**	85,019	1,633,031
Uniforms, (nurses, maids, etc.) Uniforms military (see "Tackets" "Pents" and "Suits")	_	-	3, 181, 634
Uniforms, other (see also "Pants, uniforms" and "Suits, uniform")	_	_	797, 269
Upholstering materials, (cotton tuits) (see also "Tapestries")	_	_	6, 492, 228
Valves, brass and bronze	_		
Valves, corporation, brass	_	_	1,952,593 8,714,830
Valves, steel			5, 802, 999
Valves, tire	_	_	3, 450, 150
Varnishes	_	_	11 100 402
Vaults, burial, cement and other	_	_	680, 830
Vegetable salad			
Āsparagus	lb.	4,375,810	1,395,643 12,562,088
Beans, baked	66	98, 191, 015 54, 618, 927	6, 402, 930
Beans, kidney	44	2,777,304	278.099
Beans, lima	4.6	2,583,057 10,647,926	365,563 1,125,782 493,287
	. 68	6,525,175	100 000

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
Vegetables canned Concluded:			\$
Carrots and peas	lb.	5,038,056	703,544
Corn, cream of, whole grain, etc. Mushrooms		79,419,681	10, 546, 970
Peas	6.6	4,431,741 93,421,215	2,352,770 11,517,219
Potatoes	4.6	1,746,674	216,961
Pumpkin and squash Sauerkraut		8,316,662	, 677, 985
Spinach			1
Tomatoes	16	84,879,329	9, 145, 89
Vegetables, mixed Vegetables, other		7, 135, 031	365, 2 0
egetables, evaporated and dehydrated		3,633,656 98,324	618,049 78,49
egetables in brine		2,060,466	320,40
egetables, frozen or cold pack egetables, in SO ₂		41,956,993	7,062,58
egetables, not specified egetable juices, canned egetable spelers and slicers	_		319,40
egetable juices, canned	–	_	1
egetable peelers and slicersehicles, children's:	No.	343	128,06
Tricycles	6.6	171,828	1,708,47
Other	66	136, 221	814, 53
Parts			13,659
Parts		-	270,39
cits and vening	1 — 1		37,08
eneer	l W.Sa. ft.	1, 130, 602	21, 126, 74
eneer logs entilators	M ft b.m.	2,037	262,01
ermiculate			3, 124, 50 1, 698, 07
estments	–	-	699,85
ests, woollen (outerwear)	No.	16,387	80,660
ests, other (outerwear)	gal.	570,901	82,47
inegar made for own use inegar stock		010,301	1
inegar made for safe;			
Spirit Cider	gal.	9,790,900 659,814	3,760,950 322,86
Malt	(6	274, 323	150, 22
inyl chloride monomer		_	1
inyl acetate itamin preparations		-	10 000 50
affle irons	No.	38,736	19,838,73 358,970
agons (see "Vehicles, farm sleighs, wagons and trucks")		00, 100	000,010
all board, asbestos cement all board, gypsum see "Building boards"			
all board, gypsum see "Building boards" (all board, paper			
'all covering, other than tile	sq. ft.	850,568	172,63
all, plaster, gypsum	ton	304, 284	7,001,03
all plaster, otherardrobes, wall board	No.	5,998 30,268	1, 156, 85 239, 10
ash boards	110.	50, 200	1
ashers, leather	doz.	4, 169, 099	299,58
ashers, metal, etc.		-	1,442,73 2,142,38
ashing compoundsaste, cotton and wool	ton	18, 332	3, 253, 84
aste, wood		58,402	482, 76' 5, 017, 86' 10, 695, 73'
aste, other, not specified	—	-	5,017,86
atches, assembledatch cases, watch bracelets, etc			969, 01
ater, distilled	gal.	127,315	36,12
ater, mineral, natural		821,449	204, 36
aterproofing of fabricsaterproofing preparations		_	433,63
ax, floor (see "Polishes and waxes")			
ax and wax compounds, all kinds		-	5,833,10
ax, sealing	doz.	11, 107	83,01
axers and wax applierseatherstrip	doz.	11, 101	3, 235, 84
eaving, custom		-	1, 734, 57
ebbing, elastic		don	2,942,99 464,48
ebbing, other eeders			335,84
eed killer			2,470,16
elding apparatus, arc		- 1	2, 873, 970
elding apparatus, gas and other	ton	18,474	1, 217, 66; 7, 436, 47
elding electrodes		-	1, 251, 41
et machine boards	ton	6, 167	1,341,88
heelbarrows and parts	–	-	954,71
heels, automobile	ton	77,020	6, 899, 20
heels, railway car heels, not specified		-	79,07
hey condensed, etc. hiskles (see "Spirits")	ton	10,374	123, 43
hiskies (see "Spirits")	doz.	33,028	138 26
hisksindows, complets, aluminum and other		-	138, 26: 40, 371, 90:
Vindow sash, aluminum, etc		man.	347,499
line cocktails		6,585,316	17, 553, 05

¹ Indicates that the commodity was reported by one or two concerns.

Itenis	Unit of measure	Quantity	Value of factory shipments
			\$
Wine produced and placed in storage for maturing	gal.	7,416,005	4,446,316
Wine spirits Wiping cloths and rags, washed and sterilized	lb.	12,584,791	3, 252, 043
Wiping cloths and rags, other Wire, gold filled and alloys		_	995,802 324,655
Wire, gold filled and alloys	•••		
Barbed: Ouantity made	ton	4,649	- -
Quantity made Quantity shipped		4,588	854,878
Cold rolled flat, all sizes: Quantity shipped		1,534	550,741
Galvanized:		56,328	
Quantity made Quantity shipped		28,210	5,898,13
Plain: Quantity made		305,733 114,343	21,741,09
Quantity shipped Strand twisted:			
Quantity shipped		6, 236	2, 528, 85
Other, coated, etc.: Quantity shipped		3,746	1, 124, 398 136, 812, 123
Wire and cable, electrical	::: <u> </u>	_	15.984.24
Wire rope and cable, n.e.s. Wire cloth, all metals, including screen cloth Wire mesh, steel, woven or welded		32,340	14, 242, 163 6, 899, 600
Wire netting Wire and wire goods, n.e.s. Wiring devices, n.e.s.		_	12, 335, 50
Wire and wire goods, n.e.s.	::: =	=	11, 196, 02
Wooden products, n.e.s.		_	5,005,26
Voodenware, kitchen	[_	291, 21 577, 32
Voodenware, not specified	-	_	1
Vood preservatives	—		779,65 3,071,64
Yood turning, n.s. Woodwork, sanitary		-	1
Voodwork, samtan Voodwork, n.e.s. Wool, mineral (building)	::::		373,64 12,154,51
Vool mineral (Industrial)		_	4,699,01
Vool pulled Vool tops		_	i 1
Wool noils Wool or part wool, reworked or reprocessed	-	9,056,014	2,441,77
Woollen cloth, woven:			
Suitings, dress goods, overcoatings, etc.: All wool, woollen	sq. yd.	9,068,471	13,710,89
All wool, worsted		5,565,912	13,003,87
Cotton warp, woollen and worsted	sq. ya.	400,816	632,59 10,847,92
Other woollen and mixtures Woven terry goods (fabric)			1
Other woven fabrics, wool or not containing wool	10.	1,411,071	2, 454, 19 126, 84
Voven goods, (not fabric) Wrappers, waxed (see "Paper, waxed")	****		1,829,0
Wrappers, paper, other than waxed (see also "Boxes, paper, corrugated") Wrappers, printed		_	3,820,93
Wringers, Clothes Kanthates		_	1
Kylol	–	_	780, 1
Yarns, spun for sale: Cotton:			
Grey, knitting		16, 108, 301 8, 477, 388	12, 221, 83 4, 824, 33
Grey, other, singles		11, 340, 193	7,824,0
Bleached, knitting Bleached, other		817, 227	815, 4
Coloured, knitting Coloured, other		2,692,824	2,507,4
Other, including mercerized		2, 284, 710	2,244,0
Cotton and wool mixed: Grey		219,866	268,7
Bleached and coloured		1,676,433	4,371,7
Rayon and nylon thrown Rubber covered (Confidential, included in "Yarns, not specified")			62,744,4
Synthetic singles Spun rayon and mixtures		55,736,397 8,647,104	6, 376, 3
Synthetic yarns, other		5,316,757	9, 252, 2
Woollen: Hand knitting		231,996 2,000,972	377,8 2,981,1
Machine knitting		185,094	2, 981, 1 217, 4 2, 773, 3
Carpet		2,573,262 881,818	2,773,3 1,580,7
Woollen and woollen mixtures			1
Hand knitting Machine knitting	***	1, 206, 685 3, 600, 235	3,662,4 8,281,3
Weaving		81,710	176, 2
Carpet Worsted, dry spun:			
Knitting	lb.	1, 489, 781	3,471,7

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1958 - Concluded

Itens	Unit of measure	Quantity	Value of factory shipments
			\$
Yarns, not specified			1 405 00
reast. drv. pakers		_	1,485,99
east, dry, brewers	_	_	1
	_		1
reast, made for own use in preweries	lb.	1,502,301	_
east 1000, bread improver, etc.	"	7,893,717	902, 84
oghourt inc, refined, zinc alloys, etc.	gal.	96,228	280,37
Sinc chloride	-	-	1, 128, 88
inc naphthenate	_	_	1
inc oxide and zinc dust	_	_	1
anufactured food products, packaged only	lb.	20,446,507	3.987.48
	_	-	21,396,94
mount received for rental of signs	-	-	10, 554, 69
ter-company transfers		- 1	3, 277, 08
ll other products, not specified:			
Foods and beverages Tobacco and tobacco products	-	-	14,915,17
Rubber products	-	- 1	38,59
Leather products		-	720, 96 2, 842, 53
Textiles		_	5,769,99
Knitting mills	_	_	81.33
Clothing	-		1,986,87
Wood products	-	-	7, 222, 24
Paper products	~	_	2,928,42
Printing, publishing and allied industries		-	2,281,08
Iron and steel products			135, 067, 42
Transportation equipment Non-ferrous metal products	-	-	145,858,23 23,022,17
Electrical apparatus and supplies	_	_	29,033,59
Non-metallic mineral products	_	_	10, 237, 04
Products of petroleum and coal		_	5,029,68
Chemicals and allied products		_	59, 348, 41
Miscellaneous manufacturing industries		-	3,041,59
ustom work and repairs:			
Foods and beverages	-	-	13, 172, 56
Tohacco and tohacco products Rubber products	_	-	486,76
Leather products		_	1,352,50
Textiles	_	_	6,914,50
Knitting mills	_	_	-
Clothing	-	-	2,686,80
Wood products	-	-	17, 121, 04
Paper products	-		5,092,49
Printing, publishing and allied industries		-	00 000 00
Iron and steel products	-	-	80,838,50 121,764,20
Transportation equipment Non-ferrous metal products			3, 315, 16
Electrical apparatus and supplies	_		11, 174, 59
Non-metallic mineral products	_		927,92
Products of petroleum and coal	~	-	-
Chemicals and allied products		-	1,043,80
Miscellaneous manufacturing industriesProducts which were reported by only one or two firms and for which figures cannot be	-	-	17, 137, 49
Products which were reported by only one or two firms and for which figures cannot be shown separately (see Commodities indicated by footnote 1)	_	-	750,831,05
Total value of items listed	-	-	22,830,571,74
djustments due to valuation of intermediate products, excise taxes, etc	-	-	667, 385, 43
Total			22, 163, 186, 30
Total	_		26, 100, 100, 31

 $^{^{\}mbox{\scriptsize 1}}$ Indicates that the commodity was reported by one or two concerns.

DOMINION BUREAU OF STATISTICS Industry and Merchandising Division

ANNUAL CENSUS OF INDUSTRY

RETURN ONE COMPLETED COPY AND KEEP ONE COPY FOR YOUR FILES.

GENERAL SCHEDULE

1958

The Census of Industry is authorized by the Statistics Act, Chap. 257, Revised Statutes of Canada, 1952, which makes the filing of returns by every manufacturer compulsory. Twenty-one days are allowed for the completion and submission of this report. Completed reports and correspondence concerning their completion should be addressed to the

DOMINION BUREAU OF STATISTICS

OTTAWA

The report is Confidential and cannot be used for purposes of taxation, investigation or regulation without your permission.

If this establishment did not operate at all during the year, was closed down for part of the year, or changed ownership, please refer to General Instruction 2.

Industry totals compiled from manufacturers' reports will be published in industry bulletins as soon as possible after all re-ports are received. Your co-operation in returning your report(s) promptly will expedite the publication of this information.

GENERAL INSTRUCTIONS

- (1) A separate report must be prepared for each manufacturing establishment operated by a firm.
- (2) A report should cover a full year's operations, except when the establishment was operated for less than a year. A part-year report is required of an owner who went out of business during the year, either through closing down or sale. A purchaser should report from the date of purchase to the end of the calendar year. If no operations or all were curried on during the year, kindly check here _ and return the form immediately.
- (3) All manufacturing, processing and assembling operations at this plant should be included, unless reported in other Census of Industry returns.
- (4) This report should cover your manufacturing plant only, except This report should cover you manufacturing plant where shipments are made of goods held on plant account from a warehouse or selling outlet in physical conjunction or close proximity to the plant (same town or city), In such a case include the shipments, employment and inventory of warehouse or selling outlet. Exclude these items for all other warehouses or sales outlets.
- (5) A Head or Executive Office should be reported as a part of this establishment provided it has the same address or is located in the same city or in the same municipality. If there are two more establishments in this city or municipality, the head office employees and their earnings are to be included with one of them only. If these establishments are engaged in different industries, the head office employees should be included with the industry representing the major activity of your firm. A head office or executive office not so located is required to file a separate report for employment and payroll at such offices.
- (6) Check for completeness, accuracy and consistency. Your report will be reviewed for completeness and accuracy, and in order to avoid future correspondence, it is suggested that you (1) look for omissions, (2) check for reasonableness of average salaries, average wages, ratios of value of factory shipments to material costs, payroll, etc., and (3) compare total cost of materials, payroll, fuel and electricity with value of factory shipments for reasonableness. In most cases a reasonable margin for overhead and profit should be indicated.

Please correct any mistakes in name or address.

DESCRIPTIVE INFORMATION OF THE ESTABLISHMENT
1. ACTUAL PHYSICAL LOCATION OF THIS ESTABLISHMENT (If same as above mailing address check here
Street and number
City, town or village
County or Census Division
Province
If this establishment is not within the actual legal boundaries of the city, town or village given above, kindly give below an indication of its location, such as parish or township in the East, division or township, range, meridian in the West.
2. NATURE OF TRADE OR BUSINESS (describe briefly)
a Type of Occapitation (L. d)
3. TYPE OF ORGANIZATION (check one)
Individual Incorporated Company
Partnership Incorporated Co-operative
Unincorporated Co-operative
4. CHANGE OF OWNERSHIP OR STATUS (Complete a, b or c, if applicable). See also General Instruction 2
(a) Sold by you (date)
To
(b) Purchased by you on
From
(c) Went out of business on
5. HEAD OR EXECUTIVE OFFICES (see General Instruction 5)
Does this establishment have a
Separate head office Yes No
Separate administrative office Yes No
6. BUSINESS YEAR OF THIS ESTABLISHMENT
From To
I hereby certifythat the information given in this report is substantially complete and correct to the best of my knowledge and belief.
Signature of person making this report
Official position
Business address Period covered by this report From 19 To 19
Date of this report

A	PI	MIST	DIS	7 100	- 0	ann.	Him	100

1.	INVENTORY:	Г	INVENTORY	FOR PERIOD
	Note: If a schedule, including all items requested in Questions A and B below, COVERI	ING _	COVERED BY	THIS REPORT
	FINAL FIGURES FOR THIS PLANT OR DIVISION only was submitted to the Mont Inventory Survey for the month in which your fiscal year ended, only Question C n be completed.	ieed	Opening \$	Closing \$
	MANUFACTURING INVENTORY (a) Book value of all manufacturing inventory owned and held at this plant. Include inventors are all marchouse or selling outlet which has been included with plant operation for purposes of reporting shipments. See Instruction 4, page 1. (1) RAW MATERIALS AND SUPPLIES	ions	·	
	(2) GOODS IN PROCESS			
	(3) FINISHED GOODS of own manufacture			
	(4) TOTAL MANUFACTURING INVENTORY AT PLANT			
	(b) Book value of other manufacturing inventory owned but not held at this plant or pl warehouse: (1) RAW MATERIALS AND SUPPLIES in transit in Canada, held by contractors, held in own or rented warehouses. (Do not include raw materials in transit fr abroad which have not yet cleared customs)	, or		
	(2) FINISHED GOODS of own manufacture in transit or on consignment. (Do not clude finished goods in transit destined for export and for which Form I "Customs Canada, Export Entry" has been prepared)	in- B13		
	B. GOODS PURCHASED FOR RE-SALE Book value of all goods purchased for re-sale without further processing, owned by and held at plant or plant warehouse, in transit in Canada, or out on consignment C. OTHER INVENTORY	you		
	Do you own any inventory not defined above, i.e. in storage or distributing warehouse sale outlets in Canada (including wholesale companies with separate legal incorporably you)?	ation b	ut owned or controlled	Yes No
2.	UNFILLED ORDERS: 1. Do you normally have a backlog of unfilled orders at the end of each month (i.e. unshipped orders, regardless of (Estimate, if necessary)			\$
	work already done on them, and of stock from which they can be filled) apart from amounts due to normal shipping 3. Of above, state amount	t, if an	y, represented by bind-	
	Yes No No		· · · · · · · · · · · · · · · · · · ·	
ot	3. MATERIALS AND SUPPLIES USED - Give the quantity and laid-down value at the fag during the year, whether purchased from others or received as transfers from other plann HASED. Show also amounts paid to other manufacturers for work done on materials owned be her items chargeable to capital account. Do not include FUEL which is to be reported und.	nts of y bythis ler sect	your company. Report ma plant. Do not include retu tion 8, page 5, or goods b	terials USED, not PUR- trnable containers or any ought from others or re-
Ce	ived as transfers from other plants of your company for re-sale without further processin below.	ng in t	his factory, which should	be shown under section
Ce	erved as transfers from other plants of your company for re-sale without further processing	ng in t	his factory, which should Quantity	Total Cost at Works (Omit cents)
F	Materials and Supplies Used (List main items below) Moterials Materials Materials	ng in t	his factory, which should	Total Cost at Works
F	Materials and Supplies Used (List main items below) Materials Materials Materials Materials	ng in t	his factory, which should	Total Cost at Works
F	Materials and Supplies Used (List main items below) Materials Materials 1	ng in t	his factory, which should	Total Cost at Works
F	Materials and Supplies Used (List main items below) Materials Materials Materials Materials	ng in t	his factory, which should	Total Cost at Works
F	Materials and Supplies Used (List main items below) Materials L	ng in t	his factory, which should	Total Cost at Works
F	Materials and Supplies Used (List main items below) Materials (List main items below) Moterials 1. 2. 3. 4. 5. 6.	ng in t	his factory, which should	Total Cost at Works
F	Materials and Supplies Used (List main items below) Materials L	ng in t	his factory, which should	Total Cost at Works
F	Materials and Supplies Used (List main items below) Materials 1. 2. 3. 4. 5. 6. 7.	ng in t	his factory, which should	Total Cost at Works
F	Materials and Supplies Used (List main items below) Materials 1. 2. 3. 4. 5. 6. 7. 8.	ng in t	his factory, which should	Total Cost at Works
F	Materials and Supplies Used (List main items below) Materials 1	ng in t	his factory, which should	Total Cost at Works
F	Materials and Supplies Used (List main items below) Materials 1	ng in t	his factory, which should	Total Cost at Works
F	Materials and Supplies Used (List main items below) Materials L	ng in t	his factory, which should	Total Cost at Works
A.	Materials and Supplies Used (List main items below) Materials L	ag in t	his factory, which should	Total Cost at Works
A.	Materials and Supplies Used (List main items below) Materials (List main items below) Moterials 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. All other materials, including chemicals and other agents which while not necessarily considered to be materials proper, must be directly associated with the materials at some stage of processing. (specify large items). 12. 13. 14.	ng in t	Quantity	Total Cost at Works
A. B. C.	Materials and Supplies Used (List main items below) Materials (List main items below) Materials 1	ag in t	Quantity	Total Cost at Works
A. B. C.	Materials and Supplies Used (List main items below) Materials (List main items below) Materials 1	ag in t	Quantity	Total Cost at Works
B. C.	Materials and Supplies Used (List main items below) Materials (List main items below) Materials 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. All other materials, including chemicals and other agents which while not necessarily considered to be materials proper, must be directly associated with the materials at some stage of processing. (specify large items). 12. 13. 14. Containers and Other Packaging Materials or Supplies Operating Supplies, Maintenance Supplies and Repair Supplies, not including Fuel. (All other supplies, piecely maintenance and repair supplies, and in the operation, maintenance and repair supplies and Repair Supplies, not including Fuel. (All other supplies, piecely maintenance and repair supplies, and in the operation, maintenance and repair supplies and Repair Supplies, not including Fuel. (All other supplies, piecely maintenance and repair supplies and Repair Supplies, not including Fuel. (All other supplies, piecely maintenance and repair supplies and Repair Supplies, not including Fuel. (All other supplies, piecely maintenance and repair supplies and Repair Supplies, not including Fuel. (All other supplies, piecely maintenance and repair supplies and Repair Supplies, not including Fuel. (All other supplies, piecely maintenance and repair supplies and Repair Supplies, not other supplies and repair supplies and repair supplies. (All other supplies supplies and Repair Supplies, moting supplies and repair supplies and repair supplies.)	charge	Quantity Quantity XXXX XXXX XXXX Able to Capital Account.	Total Cost at Works
B. C.	Materials and Supplies Used (List main items below) Materials 1	charger	Quantity Quantity xxxx xxxx xxxx xxxx xxxx xxxx xxxx	Total Cost at Works

4. FACTORY SHIPMENTS OF GOODS OF OWN MANUFACTURE. Include goods manufactured from own materials, either at this plant, or by other manufacturers on the basis of a charge to this plant for work done. Give the quantity, when required, and the selling value at the plant, mill, factory, etc., of ALL PRODUCTS or BY.PRODUCTS of own manufacture shipped during the year from this plant as defined in General Instruction 4. Include all shipments (domestic, export or to government departments), as well as the value of containers when not returnable. Transfer shipments to sales ourlets, distributing warehouses, or to other manufacturing units of your own firm must be included, and should be valued according to the most appropriate of the following methods: (a) value for purpose of sales tax, (b) value an independent wholesaler would be charged, and (c) book value. Goods bought or received as transfers and resold without further processing are to be reported in Section B below. Do not Include salestax or exclss duties. For work done on materials owned by others, show only amount received in payment. NOTE FOR MULTIPLE UNIT FIRMS ONLY:
Each plant is to be treated as an independent unit and, therefore, as having ownership of the materials used in the manufacturing or processing operations of the plant.

operations of the plant.			
PRODUCTS SHIPPED (All products manufactured in this plant from materials owned by you which are not listed below, and which have not been included in another Census of Industry report made by your company, should be detailed in the space provided under "All other products".)	Unit of Measure	Quantity shipped	Value of shipments f.o.b. plant in Canadian dollars (Omit cents)
			1
A. PRODUCTS			
1			
2			
_			
3			
4			
5.			
6			
7			
8			
8			
9			
10.			
11.			
12			
13			
14			
15. All other products (specify large items)			
16			
17			
18.			
19			
20			
21. Amount received in payment for work done on materials owned by	****	****	
others	1111	****	
	****	****	
22. Total value of shipments and work done	11'	loo for horizon defined	
B. FACTORY SHIPMENTS OF GOODS NOT OF OWN MANUFACTURE: Re in General Instruction 4 (less sales or other excise taxes, discounts, retrop of PURCHASED PRODUCTS OR OF PRODUCTS TRANSFERRED FROOR MATERIALS RESOLD WITHOUT FURTHER PROCESSING AT THIS and products reported in Section 3F	orns, and allowanc OM OTHER PLAN PLANT, if any. T	es) OF ALL SHIPMENTS TS OF YOUR COMPANY his refers to the materials	\$
C. If you were unable to comply in any respect with the instructions containe you have not given the quantity and value figures at the plant level, state indicate the kind of transfers omitted.	ed in Section 4, kin briefly the level at	dly state the nature of depa which reported; and (b) if t	arture. Particularly, (a) if transfers are not included

If transfer shipments are included in Section 4, please state method of val			
1. Transfer of products for further manufacturing		,,	
2. Transfer of products for sale as such			
D. Does this establishment engage in any commission-merchant activity, i.e.,		ts or materials for another.'	account on commission?
Yes 🗌	No 🗌		

5. ANALYSIS OF PAYROLL OF THIS ESTABLISHMENT	commis paid calen	wages and sions, etc. during dar year	A an	d B only; the a	er employed for items verages for item C ut at the Bureau
CALENDAR YEAR 1958 - (See general instruction 5 re: Head Office employees)	(omi	958° : cents)	Male	Female	Total
(a) MANUFACTURING OPERATIONS ONLY -		\$	No.	No.	No.
A. Working owners or portners (unincorporated companies only) (Report all withdrawals during the year for normal living expenses for self and family. Do not include withdrawals for payment of income tax.)	: 1				
B. Administrative and office employees (Include all executive and supervisory officials, such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional employees, superintendents and factory supervisors above the working foreman level, and their clerical staffs.)				For office	use only
C. Production and related workers (Total payments to the employees shown under Section 6 below; the numbers of these employees to be reported in Section 6 only.) Outside piece-workers should be reported under F below.					
(b) OTHER OPERATIONS AT THIS ESTABLISHMENT -					
D. Retail and wholesale (including travelling salesmen)					
E. New construction				t ernss earnines	, which should include
F. Outside piece-workers		*****************	all bonus	es, the value o	f room and board where employees for income
G. All other (please specify nature of work done):			accident,	for social service insurance, pen- allowances form	es, such as sickness, sions, etc., as well as sing part of the employ- ents for overtime).
Total payroll of this establishment		**********************			
Give the total number employed during the last pay period in May, for the calendar year are reported in Sections D, E, F, and G above.	1958, for tho	se employees	whose salarie	s and wages	
	Mo	nth	Ma	le	Female
6. NUMBER OF PRODUCTION AND RELATED WORKERS RE-			N	0.	No.
CEIVING PAY DURING THE LAST PAY PERIOD OF EACH	January, 195	8			
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, hourly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported under A or B above.	February, 19	958			
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, hourly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported	February, 19 March, 1958 April, 1958	758			
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, hourly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported under A or B above. (Include working foremen doing similar work to that of employees they supervise; also maintenance, warehousing and de-	February, 19 March, 1958 April, 1958 May, 1958 June, 1958	258			
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, hourly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported under A or B above. (Include working foremen doing similar work to that of employees they supervise; also maintenance, warehousing and delivery staffs, etc.) Do not include in this section employees whose earnings have	February, 19 March, 1958 April, 1958 May, 1958 June, 1958 July, 1958	258			
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, hourly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported under A or B above. (Include working foremen doing similar work to that of employees they supervise; also maintenance, warehousing and delivery staffs, etc.) Do not include in this section employees whose earnings have	February, 19 March, 1958 April, 1958 May, 1958 June, 1958 July, 1958	258			
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, hourly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported under A or B above. (Include working foremen doing similar work to that of employees they supervise; also maintenance, warehousing and delivery staffs, etc.) Do not include in this section employees whose earnings have	February, 19 March, 1958 April, 1958 May, 1958 June, 1958 July, 1958 August, 1958	258			
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, hourly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported under A or B above. (Include working foremen doing similar work to that of employees they supervise; also maintenance, warehousing and delivery staffs, etc.) Do not include in this section employees whose earnings have	February, 19 March, 1958 April, 1958 May, 1958 June, 1958 July, 1958 August, 1958 September, 1	3			
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, hourly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported under A or B above. (Include working foremen doing similar work to that of employees they supervise; also maintenance, warehousing and delivery staffs, etc.) Do not include in this section employees whose earnings have	February, 19 March, 1958 April, 1958 May, 1958 June, 1958 July, 1958 August, 195 September, 1 October, 195	3			
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, hourly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported under A or B above. (Include working foremen doing similar work to that of employees they supervise; also maintenance, warehousing and delivery staffs, etc.) Do not include in this section employees whose earnings have	February, 19 March, 1958 April, 1958 May, 1958 June, 1958 July, 1958 August, 1958 September, 1 October, 195 November, 1	3			
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, hourly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported under A or B above. (Include working foremen doing similar work to that of employees they supervise; also maintenance, warehousing and delivery staffs, etc.) Do not include in this section employees whose earnings have	February, 19 March, 1958 April, 1958 May, 1958 June, 1958 July, 1958 August, 1958 September, 1 October, 195 November, 1	3			
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, hourly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported under A or B above. (Include working foremen doing similar work to that of employees they supervise; also maintenance, warehousing and delivery staffs, etc.) Do not include in this section employees whose earnings have	February, 19 March, 1958 April, 1958 May, 1958 June, 1958 July, 1958 August, 195 September, 1 October, 195 November, 1 December, 1	958		SECTION 5C A	AND WHOSE NUMBERS
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, howly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported under A or B above. (Include working foremen doing similar work to that of employees they supervise; also maintenance, warehousing and delivery staffs, etc.) Do not include in this section employees whose earnings have been reported in Sections 5(A), (B), (D), (E), (F) and (G) above.	February, 19 March, 1958 April, 1958 May, 1958 June, 1958 August, 1958 September, 1 October, 195 November, 1 December, 1	958		SECTION SC A	ND WHOSE NUMBERS
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, howly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported under A or B above. (Include working foremen doing similar work to that of employees they supervise; also maintenance, warehousing and delivery staffs, etc.) Do not include in this section employees whose earnings have been reported in Sections 5(A), (B), (D), (E), (F) and (G) above.	February, 19 March, 1958 April, 1958 May, 1958 June, 1958 August, 1958 September, 1 October, 195 November, 1 December, 1	958	PORTED IN	SECTION SC A	Total for year-1958
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, howly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported under A or B above. (Include working foremen doing similar work to that of employees they supervise; also maintenance, warehousing and delivery staffs, etc.) Do not include in this section employees whose earnings have been reported in Sections 5(A), (B), (D), (E), (F) and (G) above.	February, 19 March, 1958 April, 1958 May, 1958 July, 1958 August, 1958 September, 1 October, 195 November, 1 December, 1	958	PORTED IN No JulSept.	OctDec.	Total for
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, howly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported under A or B above. (Include working foremen doing similar work to that of employees they supervise; also maintenance, warehousing and delivery staffs, etc.) Do not include in this section employees whose earnings have been reported in Sections 5(A), (B), (D), (E), (F) and (G) above. 7. MAN-HOURS OF ALL PRODUCTION AND RELATED WORKER ARE REPORTED IN SECTION 6. A. Did any of these workers receive any pay for periods of absence (such as paid vacations or sick leave)? B. Total plant man-hours actually worked by all production and related workers during each quarter (in reporting overtime, in-	February, 19 March, 1958 April, 1958 May, 1958 July, 1958 August, 1958 September, 1 October, 195 November, 1 December, 1	958	PORTED IN No JulSept.	OctDec.	Total for
MONTH. Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, howly, or piece-work basis, and whose wages are shown in Section 5C above. Include all factory workmen not reported under A or B above. (Include working foremen doing similar work to that of employees they supervise; also maintenance, warehousing and delivery staffs, etc.) Do not include in this section employees whose earnings have been reported in Sections 5(A), (B), (D), (E), (F) and (G) above. A. Did any of these workers receive any pay for periods of absence (such as paid vacations or sick leave)? B. Total plant man-hours actually worked by all production and related workers during each quarter (in reporting overtime, include only hours actually worked.) C. Total man-hours NOT WORKED, but nevertheless paid for, of all production and related workers (e.g. paid vacations, sick	February, 19 March, 1958 April, 1958 May, 1958 June, 1958 August, 1958 September, 1 October, 195 November, 1 December, 1 S WHOSE PA	958	PORTED IN No JulSept. 1958	OctDec. 1958	Total for

8. FUEL AND ELECTRICITY USED DURING THE YEAR:
(State cost in each case as laid down at the works, including freight, duty, etc. Do not consider fuel purchased as representing fuel used unless the quantities are the same.)

Kind	Unit of measure	Quantity	Cost at plant (Omit cents)
	L	-	\$
1. Biruminous coal (a) From Canadian mines	tons		
(b) Imported			
4. Anthracite coal	tons		
5. Lignite coal			
6. Coke (for fuel only)	: tons		
7. Gasoline (include gasoline used in cars and trucks)			
8. Fuel oil including kerosene or coal oil (do not include lubricating oil)			
9. Wood (cords of 128 cubic feet of piled wood)	cords		
10. Gas (a) Liquefied petroleum gases (propane, etc.)	imp. gals.		
11. (b) Other manufactured gas			
12. (c) Natural gas	1000 cu. ft.		
13. Other fuel (state kind and quantity)			
14. Electricity purchased (include service charge in cost) (a) For lighting and motors	(k.w.h.)		
(b) For other purposes	(k.w.h.)		
15. Steam purchased	pound		
16. TOTAL			
A PLANTING TO A SHEPATED.			
9. ELECTRICITY GENERATED: (a) For own use			k.w.h.
(b) For sale			k.w.h.
Revenue from electricity for sale reported under (b) above\$			
Of the total electricity generated how much was:			
(a) By thermal plant, including diesel-driven generators			k.w.h.
(b) By hydro-electric plant			k.w.h.
10. POWER EQUIPMENT. Report the total horsepower rating of equipment in use or available for use at the end of 1958. Report the horsepower indicated on the name plates of the equipment.			
Type of Equipment		Driving generators	Not driving generators
A. Prime Movers		H.P.	H.P.
1. Steam engines			-
2. Steam turbines			
3. Diesel engines			
4. Gasoline, gas and oil engines, other than diesel engines			

5. Hydraulic turbines or water wheels

B. Electric motors (one-quarter horsepower and over)

TOTAL

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division

ANNUAL CENSUS OF INDUSTRY

RETURN ONE COMPLETED COPY AND
KEEP ONE COPY FOR YOUR FILES

GENERAL SCHEDULE

1958

The Census of Industry is authorized by the Statistics Act, Chap. 257, Revised Statutes of Canada, 1952, which makes the filing of returns by every manufacturer compulsory. Twenty-one days are allowed for the completion and submission of this report. Completed reports and correspondence concerning their completion should be addressed to the

DOMINION BUREAU OF STATISTICS

OTTAWA

The report is Confidential and cannot be used for purposes of taxation, investigation or regulation without your permission.

If this establishment did not operate at all during the year, was closed down for part of the year, or changed ownership, please refer to General Instruction 2.

Industry totals compiled from manufacturers' reports will be published in industry bulletins as soon as possible after all reports are received. Your co-operation in returning your report(s) promptly will expedite the publication of this data.

GENERAL INSTRUCTIONS

- A separate report must be prepared for each manufacturing establishment operated by a firm.
- (2) A report should cover a full year's operations, except when the establishment was operated for less than a year. A part-year report is required of an owner who went out of business during the year, either through closing down or sale. A purchaser should report from the date of purchase to the end of the calendar year. If no operations of all were carried on during the year, kindly check here and of a turn the form immediately.
- (3) All manufacturing, processing and assembling operations at this plant should be included, unless reported in other Census of Industry returns.
- (4) This report should cover your manufacturing plant only, except where shipments are made of goods held on plant account from a warehouse or selling outlet in physical conjunction or close proximity to the plant (same town or city). In such a case include the shipments, employment and inventory of warehouse or selling outlet. Exclude these items for all other warehouses or sales outlets.
- (5) Check for completeness, accuracy and consistency. Your report will be reviewed for completeness and accuracy, and in order to avoid future correspondence, it is suggested that you (1) look for omissions, (2) check for reasonableness of average salaries, average wages, ratios of value of factory shipments to material costs, payroll, etc., and (3) compare total cost of materials, payroll, fuel and electricity with value of factory shipments for reasonableness. In most cases a reasonable margin for overhead and profit should be indicated.

Please correct any mistakes in name or address

	DESCRIPTIVE INFORMATION OF THE ESTABLISHMENT
1.	ACTUAL PHYSICAL LOCATION OF THIS ESTABLISHMENT (If same as above mailing address check here). Otherwise complete.)
	Street and number
	City, town or village
	County or Census Division
	Province
	If this establishment is not within the actual legal boundaries of the city, town or village given above, kindly give below an indication of its location, such as parish or township in the East, division or township, range, meridian in the West.
2.	NATURE OF TRADE OR BUSINESS (describe briefly)
3.	TYPE OF ORGANIZATION (check one)
	☐ Individual ☐ Incorporated Company
	Partnership Incorporated Co-operative
	Unincorporated Co-operative
4.	CHANGE OF OWNERSHIP OR STATUS (Complete a, b or c, if applicable). See also General Instruction 2
4.	CHANGE OF OWNERSHIP OR STATUS (Complete a, b or c, if applicable). See also General Instruction 2 (a) Sold by you
4.	(a) Sold by you
4.	cable). See also General Instruction 2 (a) Sold by you
4.	(a) Sold by you
4.	(a) Sold by you
4.	(a) Sold by you
	(a) Sold by you
	(a) Sold by you
5.	(a) Sold by you
5. Co	(a) Sold by you

1. MATERIALS AND SUPPLIES USED - Give the quantity and laid-down value at the factory of all Materials and Supplies USED in manufactuming during the year, whether purchased from others or received as transfers from other plants of your company. Report materials USED, not PURCHASED. Show also amounts paid to other manufacturers for work done on materials owned by this plant. Do not include returnable containers or any other items chargeable to capital account. Do not include FUEL which is to be reported under Section 5.

Materials and Supplies Used (List main items below)	Unit of Measure	Quantity	Total Cost at Works (Omit cents)
Materials			
2.			
2			
3. 4.			
5			
7			
8			
9			
10.			
11.			
12			
13			
14.			
15.			
16. All other materials, including chemicals and other agents which while not necessarily considered to be materials proper, must be directly associated with the materials at some stage of processing. (specify			
large items)			
		XXXX	
Containers and Other Packaging Materials or Supplies			
Operating Supplies, Maintenance Supplies, and Repair Supplies, not including Fuel. (All other supplies, including items of equipment, used in the operation, maintenance and repair of machinery and buildings, not			
above)	***************************************		
Amount Paid Out to Others for Work Done on Materials Owned by This Plant		XXXX	
TOTAL			

2. FACTORY SHIPMENTS OF GOODS OF OWN MANUFACTURE. Include goods manufactured from own materials, either at this plant, or by other manufacturers on the basis of a charge to this plant for work done. Give the quantity, when required, and the selling value at the plant, mill, factory, etc. of ALL PRODUCTS or BY-PRODUCTS of own manufacture shipped during the year from this plant as defined in General Instruction 4. Includes all shipments (domestic, export or to government departments), as well as the value of containers when not returnable. Do not include soles tox or excise duties. For work done on materials owned by others, show only the amount received in payment.

PRODUCTS SHIPPED	Unit of Measure	Quantity shipped	Value of shipments f.o.b. plant in Ganadian dollars (Omit cents)
			3
1,			
3,			
5			
6			
8			
9			
11			
13. All other products (specify large items)			
14			
16. Amount received in payment for work done on materials owned by others	xxxx	xxxx	
17. Total value of shipments and work done	***	****	

	Salaries, wages and commissions, etc. paid during calendar year		Give the number during the last of May	pay period
3. ANALYSIS OF PAYROLL OF THIS ESTABLISHMENT,	1958* (omit cents)	Male	Female	Total
CALENDAR YEAR 1958-	\$	No.	No.	No.
A. Working owners or partners (unincorporated companies only) (Report all withdrawals during the year for normal living expenses for self and family. Do not include withdrawals for payment of income tax.)				
B. Administrative and office employees	•••••			
(Include all production workers who are paid on a monthly, weekly, hourly or piece-work basis. Include foremen as well as maintenance, warehouse and delivery staffs.)				
TOTAL			+	
*Report gross earnings, which should include all bonuses, the valu and for social services, such as sickness, accident, insurance, p wages (include payments for overtime).				
			INVENTORY F	OR PERIOD
4. INVENTORY: Note: Answers to all questions below would be greatly appreciate	d as this would halp the	(OVERED BY T	
Bureau of Statistics in estimating the composition of invenestablishments. However, if this detail is not available answ	tory held by the smaller	Op	ening	Closing
Manufacturing Inventory Owned) would be acceptable.	vers to question a (lotal		\$	\$
MANUFACTURING INVENTORY OWNED (Book value)				
(1) RAW MATERIALS AND SUPPLIES				
(2) GOODS IN PROCESS				
(3) FINISHED GOODS of own manufacture				
(4) TOTAL MANUFACTURING INVENTORY OWNED				
(4) TOTAL MANUFACTURING INVENTOR FOWNED				
 FUEL AND ELECTRICITY USED DURING THE YEAR: (State cost in each case as laid down at the works, including freighthe quantities are the same). 	nt, duty, etc. Do not consid	ler fuel purc	hased as repres	enting fuel used unless
				Cost at plant (Omit cents)
1. Total cost of fuel used (Include coal, coke, gasoline, fuel oil, w	rood, gas, etc.)			
2. Cost of electricity purchased, including service charges				
TOTAL				
6. POWER EQUIPMENT: Report the total horsepower rating of equindicated on the name plates of the equipment.	ipment in use or available	for use at	the end of 1958.	. Report the horsepower
Type of equipment		Dri	iving	Not driving generators
			I.P.	н.Р.
A. Prime Movers				
1. Steam engines				
2. Steam turbines				
3. Diesel engines				
4. Gasoline, gas and oil engines, other than diesel engines				
5. Hydraulic turbines or water wheels				
TOTAL				
B. Electric meters (one quarter horsepower and over)				

APPENDIX IV

PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry and summary reports which are released each year as the compilations are completed. The summary reports for the **Manufacturing Industries** are listed below. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

A - Annual Q - Quarterly S.C. - Special S.A. - Semi-Annual M - Monthly Compilation O - Occasional

Price

Catalogue

number	1161C	
	GENERAL REVIEWS	
31 - 201 31 - 202 31 - 203 31 - 204 31 - 205 31 - 206 31 - 207 31 - 208 31 - 209 31 - 210 31 - 001 65 - 004 65 - 007	General Review of the Manufacturing Industries of Canada (A) Preliminary Statement of Manufactures (A) Manufacturing Industries of Canada: Summary fro Canada (A) Atlantic Provinces (A) Province of Quebec (A) Province of Ontario (A) Prairie Provinces (A) Province of British Columbia, including Yukon and Northwest Territories (A) The Manufacturing Industries of Canada, Geographical Distribution (A) Type of Ownership and Size of Manufacturing Establishment in Canada (A) Inventories, Shipments and Orders in Manufacturing Industries (M) per year Trade of Canada — Exports (M) per year	.50 .50 .50
31-002	New Manufacturing Establishments in Canada (S.A.) per year	2.00
	FOODS AND BEVERAGES	
32-201	Foods and Beverages - General Review (A)	.50
	Bakery Products	
32-202 32-203	Biscuit Industry (A)	.50
	Beverages	
32-001 32-205 32-206 32-207 32-208	Monthly Production of Carbonated Beverages (M) per year Brewing Industry (A) Distilling Industry (A) Wine Industry (A) Carbonated Beverages Industry (A)	.50 .50 .25
	Canning and Preserving	
22-003 24-001 24-002 24-201 32-010 32-011 32-211 32-212 32-216 32-217 32-218	Fruit and Vegetable Crop Reports (Seasonal) per year Fish Freezings and Stocks (M) per year Monthly Review of Canadian Fisheries Statistics (M) per year Fisheries Statistics of Canada (A) Stocks of Fruit and Vegetables (M) per year Quarterly Stocks of Canned Fruits and Vegetables on Hand (Q) per year Canned Foods Summary (A) Canned and Frozen Processed Foods (A) Fish Processing Industry (A) Stocks of Food Commodities in Cold Storage and Other Warehouses (A) Fruit and Vegetable Preparations Industry (A)	2.00 3.00 .75 2.00 2.00 .50 .50

Catalogue number	Title	Price
	FOODS AND BEVERAGES - Concluded	
	Dairy Products	
23 - 201 32 - 002 32 - 009 32 - 209 32 - 210	Dairy Statistics (A) Dairy Factory Production (M) per year Stocks of Dairy and Poultry Products (M) per year Dairy Products Industries (A) Process Cheese Industry (A)	.50 1.00 2.00 .75 .25
	Grain Mill Products	
32 - 003 32 - 004 32 - 204 32 - 214 32 - 215	Grain Milling Statistics (M)	1.00 3.00 .25 .50
	Meat Products	
32-012 32-220 32-221	Stocks of Meat and Lard (M)	3.00 .25 .50
	Other Food Industries	
32-005 32-006 32-007 32-013 32-213 32-219 32-222 32-223 32-224	Margarine Statistics (M)	.50
Stool	dition, several special statements are available. These include Monthly Meat Products, Mo is of Canned Foods, Monthly Production of Alfalfa Meal, Quarterly Bread and Bakery Produc- onal Commodity Reports of Canned Fruits and Vegetables including Irish Potatoes.	ets, 20
	TOBACCO PRODUCTS	
22 - 205 32 - 014 32 - 225	Leaf Tobacco Production and Value (A)	.25 2.00 .50
	RUBBER PRODUCTS	
33 - 206 33 - 003	Rubber Products Industry (A)	.50 2.00
	LEATHER PRODUCTS	
33 - 201 33 - 202 33 - 203 33 - 204 33 - 205 33 - 001 33 - 002	Leather Products Industry — General Review (A)	.50

Catalogue number	Title	Price
	TEXTILES	
34 - 201 34 - 202 34 - 203 34 - 204 34 - 205 34 - 206 34 - 207 34 - 208 34 - 209	General Review of Textile Mills (A) Awning, Tent and Sail Industry (A) Cordage, Rope and Twine Industry (A) Cotton and Jute Bag Industry (A) Cotton Textile Industries (A) Dyeing and Finishing of Textile Goods Industry (A) Narrow Fabrics Industry (A) Synthetic Textiles and Silk Industry (A) Wool Textile Industries (A)	.50 .50 .50 .50 .50 .25 .50 .50
34 - 210	Miscellaneous Textile Industries (A)	.50
	KNITTING MILLS	
34 - 215	Hosiery and Knitted Goods Industries (A)	.50
	Clothing	
34 - 211 34 - 212 34 - 213 34 - 214 34 - 216 34 - 217 34 - 218 34 - 001	General Review of the Clothing Industries (A) Corset Industry (A) Fur Goods and Fur Dressing Industries (A) Hat and Cap Industry (A) Men's Factory Clothing Industry (A) Women's and Children's Factory Clothing Industries (A) Miscellaneous Clothing Industries (A) Quarterly Production of Garments (Q) per year	.50 .25 .50 .50 .75 .50
	WOOD PRODUCTS	
35 - 201 35 - 202 35 - 203 35 - 204 35 - 205 35 - 206 35 - 207 25 - 201 35 - 002 35 - 003 35 - 001	General Review of the Wood-Using Industries (A) The Furniture Industry (A)	.50 .50 .50 .75 .50 .50 .50 2.00 2.00
	PARIOR PROPUGES	
	PAPER PRODUCTS	
36 - 201 36 - 202 36 - 204 36 - 205 36 - 206 36 - 001 36 - 002 45 - 001 47 - 001	General Review of the Paper — Using Industries (A) The Paper Box and Bag Industry (A) The Pulp and Paper Industry (A) The Roofing Paper Industry (A) The Miscellaneous Paper Goods Industry (A) Hard Board (Production and domestic and export shipments) (M) Rigid Insulating Board (Production and domestic and export shipments) (M) Asphalt Roofing (Production and shipments by areas) (M) Asphalt and Vinyl — Asbestos Floor Tiles (Production, domestic shipments, imports and exports) (M)	.50 .50 .75 .50 .50 1.00 1.00

Catalogue number	Title	Price
	PRINTING, PUBLISHING AND ALLIED INDUSTRIES	
36 - 203	The Printing Trades (A)	.75
	IRON AND STEEL PRODUCTS	
41 - 201	Iron and Steel Products - General Review (A)	.50
42 - 202	The Agricultural Implements Industry (A)	
41 - 205	The Boilers and Plate Work Industry (A)	
41 - 207	The Bridge Building and Structural Steel Industry (A)	. 25
41 - 208	The Hardware, Tools and Cutlery Industry (A)	,50
41 - 209 42 - 208	The Machinery Industry (A)	.50
42 - 207	The Machine Shops Industry (A)	.50
41 - 210	The Iron Castings Industry (A)	.50
41 - 203	The Primary Iron and Steel Industry (A)	.75
41 - 213	The Sheet Metal Products Industry (A)	.50
41 - 216	The Wire and Wire Goods Industry (A)	.50
41 - 217 41 - 001	Primary Iron and Steel (M)	3.00
41-001	Steel Ingots and Pig Iron (Preliminary) (M)	1.00
41-002	Production of Pig Iron and Steel (M) per year	1.00
41-004	Iron Castings and Cast Iron Pipes and Fittings (M) per year	1.00
41 - 005	Stoves and Furnaces (M) per year	1.00
41 - 006	Steel Wire and Specified Wire Products (M) per year	1.00
41 - 212	Scrap Iron and Steel (A)	
63 - 203 64 - 202	Household Facilities and Equipment (A)	.50
43 - 006	Air Conditioning and Refrigeration Equipment (M)	1.00
(S,C.)	Sanitaryware (M) per year	1.00
(S.C.)	Scrap Iron and Steel (M) per year	1.00
(S.C.)	Domestic Water Tank Heaters (M) per year	1.00
(S.C.)	Domestic and Farm Water Systems (M)	1.00
(S.C.)	Builders' Hardware (M)	1.00
(S.C.)	Domestic Range Boilers (M) per year	1.00
(S.C.) (S.C.)	Cemented Tungsten Carbide (M) per year	1.00
(S.C.)	Welding Electrodes (M) per year	1.00
(S.C.)	Grinding Balls (A)	. 25
(S.C.)	Fans, Unit Heaters and Ventilators (A)	. 25
	TRANSPORTATION EQUIPMENT	
42 - 201	Transportation Equipment - General Review (A)	.50
42 - 203	Aircraft and Parts Industry (A)	,00
42 - 204	Pigyala Manufacturing Industry (A)	.40
42 - 205	Boatbuilding Industry (A)	.50
42 - 206	Shipbuilding Industry (A)	.50
42 - 209	Motor Vehicles Industry (A) Motor Vehicles Parts Industry (A)	
42 - 210	Bailway Bolling Stock Industry (A)	.50
42 - 211 42 - 212	Missellaneous Transportation Equipment Industry (A)	. 20
42-212	Proliminary Report on Production of Motor Vehicles (M) per year	1.00
42-002	Motor Vohiala Chinmants (M)	1.00
53 - 203	3/-t-= \$70biolo (A)	
53 - 204	Motor Vehicle - Preliminary Report on Registrations, etc. (A)	1.00
63 - 208	New Motor Vehicle Sales and Motor Vehicle Financing (M) per year New Motor Vehicle Sales and Motor Vehicle Financing (A)	.50
b3 = 208	NEW MOUNT VEHICLE DAILES AND MOUNT VEHICLE I INCHIOLOGY	

Catalogu number	e Title	Price
	NON-FERROUS METAL PRODUCTS	
41 - 202	Non-ferrous Metal Products — General Review (A)	50
41 - 204	The Aluminum Products Industry (A)	.50
41 - 206	The Brass and Copper Products Industry (A)	50
41 - 215	The White Metal Alloys Industry (A)	50
41 - 211	The Jewellery and Silverware Industry (A)	50
41 - 218	The Miscellaneous Non-ferrous Metal Products Industry (A)	50 25
41-007	Non-ferrous Scrap Metal and Secondary Non-ferrous Ingot (Q)	1.00
	ELECTRICAL APPARATUS AND SUPPLIES	
43 - 201	The Electrical Apparatus and Supplies Industry (A)	
43-001	Domestic Refrigerators and Freezers (M) per year	75
43 - 002	Domestic Washing Machines and Clothes Dryers (M) per year	1.00
43 - 003	Specified Domestic Electrical Appliances (M)	1.00
43 - 004	Radio and Television Receiving Sets (M)	1.00
43 - 005	Factory Sales of Electric Storage Batteries (M)	1.00
43 - 006	Air Conditioning and Refrigeration Equipment (M)	1.00
41-005 (S.C.)	Stoves and Furnaces (M) per year	1.00
(S.C.)	Domestic Water Tank Heaters (M) per year	1.00
(S.C.)	Electric Lamps (M) per year Welding Electrodes (M) per year	1.00
(S.C.)	Fans, Unit Heaters and Ventilators (A)	1.00
(S.C.)	Fans, Unit Heaters and Ventilators (M)	1.00
57 - 001	Electric Power Statistics (M)	1.00
57 - 201	Electric and Gas Meter Registrations (A)	2.00
57 - 202 57 - 204	Electric Power Statistics (A)	.75
64-202	Electric Power Survey of Capability and Load (A) Household Facilities and Equipment (A)	.50
	Acceptance and Equipment (A)	.50
	NON-METALLIC MINERAL PRODUCTS	
44 - 201	Non-Metallic Mineral Products — General Review (A)	.50
44-202	The Artificial Abrasives Industry (A)	50
44 - 203 44 - 204	The Asbestos Products Industry (A)	25
44 - 205	The Concrete Products Industry (A)	.50
44 - 207	The Concrete Products Industry (A) The Glass and Glass Products Industry (A)	.50
44 - 208	The Gypsum Industry (A)	.50
44 - 206	The Clay and Clay Products Industry (A)	50
44 - 209	The Lime Industry (A)	50
26 - 214	The Salt Industry (A)	50
26 - 217	The Stone Industry (A)	50
44 - 210 26 - 001	The Miscellaneous Non-Metallic Mineral Products Industry (A)	. 25
26 - 007	Asbestos (M) per year	
26 - 009	Canada's Leading Minerals (M) per year Salt (M) per year	1.00
44-001	Cement (M)	1.00
44-002	Concrete Products (M)	1.00
44-003	Gypsum Products (M)	1.00
44-004	Mineral wool (M)	1.00
44-005	Products Made from Canadian Clays (M) per year	1.00
	PRODUCTS OF PETROLEUM AND COAL	
45 - 201	Products of Petroleum and Coal - General Review (A)	.50
40-203	Coke and Gas Industry (A)	.50
45 - 207	Petroleum Products Industry (A)	.50
	Troducts of Petioteum and Coal Industry (A)	. 25

APPENDIX IV - Concluded

Catalogue number	Title	Price
	PRODUCTS OF PETROLEUM AND COAL - Concluded	
26 - 003 26 - 206 45 - 202 26 - 006 26 - 213 45 - 004	Preliminary Report on Coal Production (M)	
45 - 004 45 - 204 45 - 206 13 - 505 13 - 507 13 - 506 55 - 001 55 - 201	Refined Petroleum Products (A) Consumption of Petroleum Fuels (A) Energy Consumption in Manufacturing and Mining Industries 1926-1953 (O) Energy Sources in Canada, Commodity Accounts, 1926, 1929, 1933 and 1939 (O). Energy Sources in Canada, Commodity Accounts, 1948 and 1952 (O) Pipe Line (Oil) Statistics (M) per year Pipe Line (Oil) Statistics (A)	1.50 .25 1.00 1.00 1.00 2.00
	CHEMICALS AND ALLIED PRODUCTS	
46 - 201 46 - 202 46 - 203 46 - 204 46 - 205 46 - 208 46 - 209 46 - 210 46 - 211 46 - 213 46 - 214 46 - 215 46 - 216 46 - 217 46 - 003 (S.C.) 46 - 207 46 - 207 46 - 200 46 - 207 46 - 200 46 - 207 46 - 200 46 - 200	Chemicals and Allied Products — General Review (A) Acids, Alkalies and Salts Industry (A) Adhesives Industry (A) Coal Tar Distillation Industry (A) Compressed Gases Industry (A) Fertilizers Industry (A) Inks Industry (A) Medicinal and Pharmaceutical Preparations Industry (A) Paints, Varnishes and Lacquers Industry (A) Primary Plastics Industry (A) Polishes and Dressings Industry (A) Soaps, Washing Compounds and Cleaning Preparations Industry (A) Toilet Preparations Industry (A) Miscellaneous Chemical Products Industry (A) Chemicals and Allied Products — Preliminary Summary Statistics (A) Soaps and Synthetic Detergents (M) Soaps and Synthetic Detergents (M) Consumption of Chemicals in Municipal Waterworks (B) Fertilizer Trade (A) Sales of Pest Control Products by Canadian Registrants (A) Sales of Paints, Varnishes and Lacquers (M) per year Specified Chemicals (10 items) (M)	.50 .50 .25 .50 .50 .50 .50 .50 .50 .50 .25 1.00
	MISCELLANEOUS INDUSTRIES	
47 - 201 47 - 202 47 - 203 47 - 204 47 - 205	Broom, Brush and Mop Industry (A) Button, Buckle and Fastener Industry (A) Musical Instrument Industry (A) Sporting Goods Industry (A) Miscellaneous Industries (Artificial flowers and feathers; candles; clocks and watches; fountain pens and pencils; hair goods; ice; instruments; models and patterns; lamps; ophthalmic goods; orthopaedic and surgical appliances; smokers' supplies; plastic products; signs; stamps and stencils; statuary and art goods; toys and games; typewriter supplies; umbrellas) (A)	.25
(S.C.)	Production and Sales of Records in Canada (M)	

Remittances should be in the form of cheque or money order, made payable to the Receiver General of Canada and forwarded to the Information Services Division, Dominion Bureau of Statistics, or to the Queen's Printer, Ottawa, Canada.







CATALOGUE No.

31-201

ANNUAL



Jule 20/67
Government
Publications

GENERAL REVIEW OF THE

MANUFACTURING INDUSTRIES OF CANADA

1959

DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

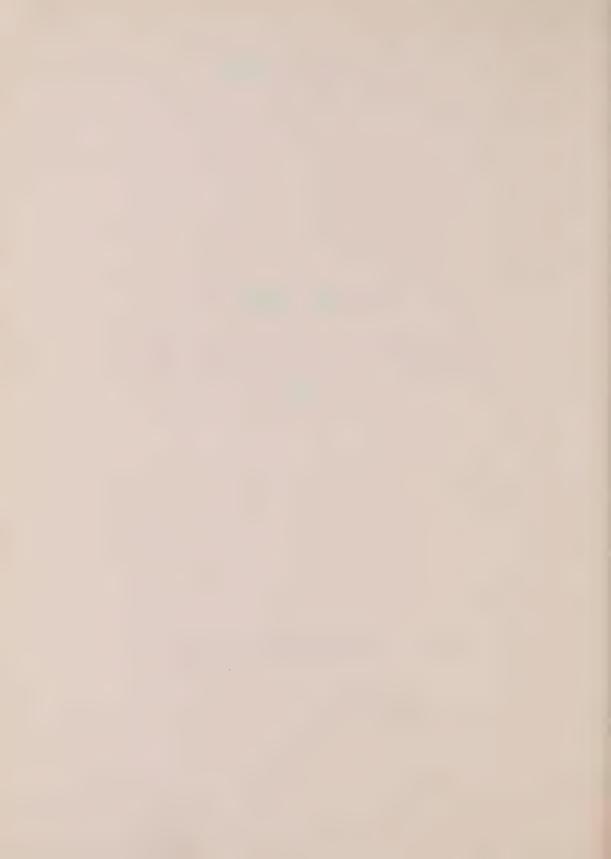


DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

GENERAL REVIEW OF THE MANUFACTURING INDUSTRIES OF CANADA 1959

Published by Authority of
The Honourable George Hees, Minister of Trade and Commerce



PREFACE

The present review of the manufacturing industries of Canada is based on the data obtained from the survey of manufactures made annually by the Industry and Merchandising Division of the Bureau. In addition to data on production, employment, salary and wage payments, consumption of materials, fuel and electricity, size of establishment and type of ownership the review also contains data on manufacturing compiled by other Divisions of the Bureau, such as weekly and hourly earnings, hours worked, capital investment, volume of production, etc. The main purpose of the review is to supply historical background of the principal factors involved in manufacturing production in Canada. Besides general analyses for Canada as a whole, data for each province, county or census division as well as cities and towns, are also given. A feature of the review is the "Alphabetical List of Products Manufactured in Canada" which gives Canada totals for about 3,000 individual commodities. As the basis of classification for the annual survey of manufactures is the "Industry" and not the "Commodity" the same commodity may, therefore, be produced by more than one industry. To obtain a total for each commodity its production in the different industries is summarized on a ledger card which is maintained for each commodity.

The general review of the manufacturing industries of Canada, as a separate report, dates back about thirty years and has been prepared since its inception under the direction of Mr. A. Cohen, Assistant Director of the Industry and Merchandising Division who wrote the text and prepared the analytical tables contained in the volume.

WALTER E. DUFFETT.

Dominion Statistician.

February 1, 1962.

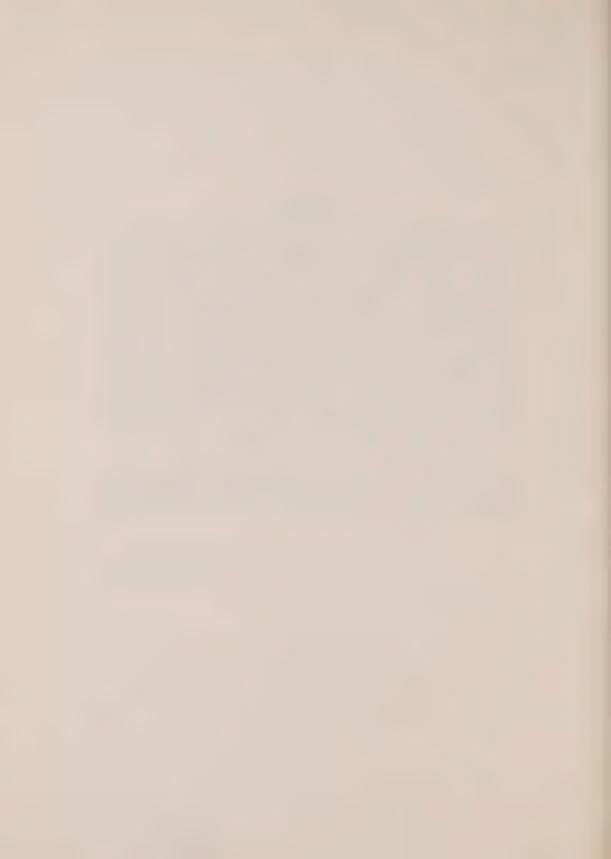


TABLE OF CONTENTS

	rage
Part I. General Analyses of Manufacturing	9
Section I. Growth of Manufacturing	9
Subsection 1. Definitions and Concepts Used in Compiling Manufacturing Statistics	9
Subsection 2. Recent Changes in Methods	12
Subsection 3. Methods and Forms Used in Collecting and Compiling the Census of Manufactures for 1958 and 1959	13
Subsection 4. General Review of the Manufacturing Industries of Canada for 1959	16
Table 1. Summary Statistics of Manufactures, 1917-59	20
Table 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-59 Table 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-59 Table 4. Significant Statistics of Manufactures for Significant Years, 1917-59 Table 5. Percentage Variation in Employment, Salaries and Wages, and Gross Value of Products in Each Province and Major Industrial Group, Compared for Signifi-	21 23 26
Cant Years, 1945-54	27 28
Section 2. Value and Volume of Manufactured Products	29
Table 7. Indexes of the Volume of Manufacturing Production, according to the Component Material Classification, 1923-35	30
Table 8. Indexes of the Total Volume of Manufacturing Production, classified on the Basis of Durable and Non-Durable Goods, 1935-59	31
Table 9. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Non-Durable Manufactures Classification, 1935-59	33
Table 10. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Durable Manufactures Classification, 1935-59	35
Section 3. Production by Industrial Groups and Individual Industries	35
Subsection 1. Manufactures grouped on the Standard Classification Basis	35
Table 11. Establishments, Fmployees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1959 Table 12. Quantities and Values of the Principal Commodities Produced or Shipped by	36
the Manufacturing Industries of Canada, 1959	44
Subsection 2. Manufactures classified on the Chief Component Material Classification Basis	46
Table 13. Principal Statistics of the Manufacturing Industries, classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-59	46
Subsection 3. Manufactures classified by Origin of Materials	47
Table 14. Principal Statistics of the Manufacturing Industries, classified according to the Origin of Materials Used, by main Groups, Significant Years, 1924-59	48
Subsection 4. Manufactures classified by Type of Ownership	50
Table 15. Percentage Distribution of the Manufacturing Industries of Canada, by Type of Ownership and by Size of Establishment, 1959	50
Table 16. Percentage Distribution of Establishments in the Manufacturing Industries, Classified by Type of Ownership, by Provinces and Industrial Groups, 1959	51
Table 17. Percentage Distribution of Employment in the Manufacturing Industries, classified by Type of Ownership, by Provinces and Industrial Groups, 1959	51
Table 18. Percentage Distribution in the Forty Leading Industries, by Type of Ownership,	52
Table 19. Principal Statistics of the Manufacturing Industries of Canada and Each Prov-	52
Table 20. Principal Statistics of the Manufacturing Industries of Canada classified by Industrial Groups and by Type of Ownership, 1959	54
Subsection 5. Leading Manufacturing Industries	56
Table 21. Principal Statistics of the Forty Leading Industries of Canada, Ranked According to Selling Value of Factory Shipments, 1959	57

TABLE OF CONTENTS - Continued

	Page
Part I. General Analyses of Manufacturing - Continued	
Section 4. Principal Factors in Manufacturing Production	58
Subsection 1, Capital and Repair Expenditures	58
Table 22. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces and Industrial Groups, 1959, with Totals for 1944-58	59
Table 23. Capital and Repair Expenditures, by the Manufacturing Industries, by Provinces,	60
Table 24. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-59	62
Subsection 2. Value of Manufacturing Inventory	64
Table 25. Value of Manufacturing Inventory Held at Plant or Plant Warehouse, Exclusive of Goods Purchased for Resale Without Further Processing, 1949-59	65
Subsection 3. Employment in Manufacturing Industries	65
Table 26. Production Workers Employed in the Manufacturing Industries, by Months and Sex, Significant Years, 1929-59	66
Table 27. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Provinces, 1959	67
Table 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1959	69
Subsection 4. Hours Worked in Manufacturing Industries	72
Table 29. Production Workers in Manufacturing, Working Specified Number of Hours per Week in the Month of Highest Employment, 1938-45	72
Table 30. Production Workers in Manufacturing Working Specified Numbers of Hours During the Last Week in October, 1946-58	73
Table 31. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Provinces, 1946-59	74
Table 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Groups, 1946 - 59	76
Subsection 5. Earnings in Manufacturing Industries	78
Table 33. Annual Earnings in Manufacturing Industries, by Provinces and Industrial Groups, 1959, with Totals for Significant Years, 1917-58	79 81
Table 34. Annual Earnings in the Forty Leading Industries, 1959	84
Table 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-59	84
Table 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-59	86
Table 38. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, 1946-59	89
Table 39. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Provinces, 1946-59	90
Table 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-59	91
Table 41. Average Weekly Earnings of the Administrative and Office Employees in the Manufacturing Industries of Canada, Classified on the Basis of (a) Managerial and Professional Employees, and (b) Office Workers, by Provinces and Indus-	
trial Groups, 1951, 1954 and 1957	94
Weekly Earnings, 1934-59 Table 43. Distribution of Employees in the Manufacturing Industries, by Classes of	96
Weekly Farnings and by Sex and Provinces, 1959	97

TABLE OF CONTENTS - Continued

	Page
Part I. General Analyses of Manufacturing - Concluded	
Table 44. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings and by Sex and Industrial Group, 1959 Table 45. Average Yearly Earnings and Index Numbers of Earnings, Consumer Price Index and Real Earnings of Production Workers, in the Manufacturing industries,	98
1931 - 59	100
Table 46. Percentage of Salaries and Wages Paid to the Total Value added by Manufacture, Significant Years, 1917-59	101
Subsection 6. Size of Manufacturing Establishments	102
Table 47. Manufacturing Establishments Classified According to Gross Value of Products,	
1929, 1939, 1944 and 1959	102
Table 49. Manufacturing Establishments Classified by Number of Employees per Establishment and by Provinces, 1959	102
Table 50. Manufacturing Establishments Classified by Number of Employees per Estab- lishment, 1929, 1939, 1944 and 1959	106
Table 51. Principal Statistics of Manufacturing Industries by Industrial Groups, Classified by Number of Employees per Establishment, 1959	107
Table 52. Percentage Importance of Establishments, each Employing 200 or more Persons in the Twenty-Five Leading Industries, 1959	110
Subsection 7. Fuel and Power Consumption	111
Table 53, Value of Fuel and Electricity Used by the Manufacturing Industries of Canada, 1939 - 59 with Details by Provinces and Industrial Groups, 1959	112
Table 54. Power Equipment Installed in the Manufacturing Industries of Canada 1926-48, with Details by Provinces and Industrial Groups, 1953	114
Table 55. Power Equipment Installed in the Manufacturing Industries of Canada, by Provinces and Industrial Groups, 1958	115
Table 56. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-58, and by Provinces and Industrial Groups, 1959 Table 57. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries	116
for Selected Years 1926-58, and by Province and Industrial Groups, 1959	118
Part II. Provincial and Local Distribution of Manufacturing Production	120
Section I. Type and Concentration of Manufacturing Production	120
Table 1. Summary Statistics of Manufactures of Each Province, Classified by Industrial	
Groups, 1959	120 123
Table 3. Principal Statistics of the Manufacturing Industries of Canada and Each Prov- ince. Classified by the Number of Employees per Establishment, 1959	123
Table 4. Principal Statistics of the Manufacturing Industries of Canada and Each Province, Classified According to Selling Value of Factory Shipments 1959	125
Section 2. The Manufactures of the Atlantic Provinces	127
Table 5 Principal Statistics of the Leading Industries of the Province of Newfoundland,	
1959	129
Island, 1959	129
1959 Table 8. Principal Statistics of the Leading Industries of the Province of New Brunswick, 1959	130

TABLE OF CONTENTS - Concluded

	1 age
Part II. Provincial and Local Distribution of Manufacturing Production - Concluded	
Section 3. The Manufactures of Quebec	130
Table 9. Principal Statistics of the Forty Leading Industries of the Province of Quebec, 1959	132
	133
Section 4. The Manufactures of Ontario Table 10. Principal Statistics of the Forty Leading Industries of the Province of Ontario,	100
1959	134
Section 5. The Manufactures of the Prairie Provinces	135
Table 11. Principal Statistics of the Leading Industries of the Province of Manitoba, 1959 Table 12. Principal Statistics of the Leading Industries of the Province of Saskatchewan, 1959	136 137
Table 13. Principal Statistics of the Leading Industries of the Province of Alberta, 1959	137
Section 6. The Manufactures of British Columbia	137
Table 14. Principal Statistics of the Leading Industries of the Province of British Columbia, 1959	138
Section 7. Manufacturing Industries in Urban Centres	139
Table 15. Cities and Towns each with Selling Value of Factory Shipments of Over \$1,000,000, Number of Establishments and Total Shipments in such Urban Centres as a Percentage of the Grand Total, by Provinces, 1959	139
Table 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-59	139
Table 17. Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver grouped according to the number of Employees per Establishment, 1959	141
Table 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments,	142
Table 19. Principal Statistics of the Manufacturing Industries of Canada by Counties and Census Division, 1959	
Appendix I	
Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1959	151
Appendix II	
Alphabetical List of Products Manufactured in Canada, 1959	167
Appendix III	
Facsimile of the Long and Short Forms Used in the 1959 Census of Manufactures	205
Appendix IV	
List of Reports Published on the Census of Manufactures	215

PART I. GENERAL ANALYSES OF MANUFACTURING

SECTION 1. GROWTH OF MANUFACTURING

Subsection 1. Definitions and Concepts Used in Compiling Manufacturing Statistics

The statistics compiled by the annual survey of manufactures given in the present report cover the number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, value of shipments, inventories and value added by manufacture. The concepts used in determining a manufacturing establishment and a short definition of each of the above principal statistics is outlined in the paragraphs following:

The Establishment. — There is general agreement that in most cases the smallest unit for which data can be obtained, and which is therefore classifiable to an industry, is the establishment. The establishment is thus an operating unit having an independent existence in the sense that it contains within itself all of the elements needed for the activities carried on. An establishment is also able to maintain records from which it can provide the principal statistics enumerated in the opening paragraph without arbitrary estimation. The main elements are on the input side, total employment measured either in terms of individuals or man-hours or man-days, materials and process supplies used, and fuel and electricity consumed; and on the output side, either production, shipments or sales or revenues received, whichever is appropriate.

Theoretically, an establishment would be engaged in only one kind of activity in one location, but in practice such an ideal establishment is rarely encountered. Thus the unit for which information is usually obtained in statistical surveys is engaged in a number of activities and sometimes these activities take place in different locations. For example, manufacturers of structural steel or tanks usually produce the parts in one location and may erect the structure (bridge or tank) hundreds of miles away from the fabricating plant, thus widening the area of employment not alone to other municipalities but to other provinces as well. This poses quite a problem in the compilation of employment and production statistics on a geographical basis. Where the number of employees engaged in erecting is small the total operation of the establishment is credited to a particular industry and geographically to the municipality where the plant is located. In the case of structural steel and bridge work where the number of employees engaged in erecting is large and where the period of employment on the site extends over a long period, an attempt is made to treat the total operation as two establishments, one being classified to the bridge and structural steel industry and the other to the construction industry. In such cases the employees engaged on the site are considered as employed in construction and not manufacturing

Some firms are so organized that their activities extend over a number of stages in the production or fabrication of a product which may include extraction or processing of crude materials as well as the fabricating and finishing processes leading to the final product. For example, a gravel or sand pit may be combined with a plant making concrete products or a textile mill may handle processes extending from spinning to weaving, dyeing and finishing of textiles. In these cases, so long as sales of intermediate products do not predominate, the objective of the operation is the final product and a realistic value can be applied only at the point of sale of the final product. Thus, unless records are maintained permitting the isolation of separate establishments for different stages, the whole operation is classified to the industry indicated by the nature of the final product

The above rule does not apply to manufacturing establishments which sell at wholesale or retail only goods of their own making and which are classed as manufacturers. Many bakeries and dairies are in this category. Theoretically a manufacturing bakery selling its own products should make two reports, one covering its manufacturing operations and the

second covering its merchandising activities. The first report should be classified to manufacturing and the second report to either retail or wholesale trade. In practice the records kept do not permit such a breakdown and in consequence a bakery is treated as a single reporting unit which includes all its operations, manufacturing as well as merchandising. On the other hand, metal mines operated in conjunction with smelting and refining are handled differently. In this case the two kinds of activity are separately classified, the mining operations being classified to mining and the smelting to manufacturing.

With a few exceptions, the annual census of manufactures attempts to cover only the manufacturing operations of an establishment. As mentioned previously few establishments carry on only manufacturing operations. In many cases manufacturers perform the functions of wholesalers in as much as they sell their products direct to retailers or industrial users and not through wholesalers. In some cases, in addition to distributing products of their own manufacture, they also sell products purchased for resale. For the large firms, at least, these two operations which according to the Standard Industrial Classification belong to different industrial classifications, are reported separately in the schedule and only the number of employees engaged in manufacturing as well as the materials and supplies used in manufacturing and the sale of the products actually manufactured by the establishment are credited to manufacturing. The employees engaged in trade or other activities of the establishment as well as the value of sales and cost of goods purchased for resale in the condition in which purchased are excluded from the compilations of manufacturing statistics. In the case of small establishments, however, where only minor quantities of purchased goods are sold, and where the same employees perform both manufacturing and merchandising operations, the establishment is treated as a single unit and all the operations are credited to manufacturing.

Frequently a problem arises whether an establishment is engaged primarily in manufacturing or in trade. The general rule for determining the principal activity of such an establishment is given in the introduction to the Revised DBS Standard Industrial Classification Manual where it is stated:

"In order to determine the principal activity, net values added by its different activities should be used. For example, in the case of manufacturing and trade activity, the data supplied by the establishment should be such that both the 'value added' in manufacturing and the 'gross mark-up' on the commodities purchased for resale can be calculated. 'Value added' consists of the difference between the value of products manufactured in a period and the value of the materials and fuel used in their manufacture. The 'gross mark-up' on purchased goods sold consists of the difference between the cost of such goods and their selling price. The establishment is assigned to one or another activity depending upon which of these is the greater.

On the other hand, for establishments whose activities are confined to one particular division of the classification, the principal activity is determined on the basis of the gross revenue obtained from the different products produced or handled, or services rendered."

At present an establishment engaged mainly in a non-manufacturing activity but which produces manufactured products as a subsidiary operation (for example a country general store which is classified in retail trade and which also produces stock and poultry feeds) is required to make an annual return covering its manufacturing production only. In this connection it is asked to report the number of employees, salaries and wages paid, materials and fuel and electricity used in connection with the manufacturing operations and the selling value of feeds shipped or sold Many such mixed establishments

find it difficult to make an accurate return since estimates for number of employees, broken down into office employees and production workers, fuel and electricity used, etc., have to be made

Ancillary Units. - Many establishments have ancillary units such as garages, warehouses, power plants, or units making containers or packaging materials which may be housed in the same building as the main establishment or may be separately located. In some cases these ancillary units may also sell part of their products or services to establishments outside their organization. When such an ancillary unit can provide the information required, it is considered to be a separate establishment and is assigned to the industry indicated by the principal activity. When the required records are not available, however, the ancillary unit is assigned along with the main establishment on the basis of the main establishment's principal activity. When an ancillary unit not maintaining the required records is located away from the main plant in another municipality or province an attempt is made to get a separate return on an estimated basis. In all cases where a separate report is required from an ancillary unit, such ancillary unit as well as the main plant are considered as having independent existence, the transfer of products or services from the ancillary unit is treated as a sale and the receipt by the main unit is considered as a purchase of materials or services from other manufacturers.

Head Offices and Regional Offices. - Some firms maintain a head office and in some cases regional offices as well which are separate from the operating establishments. In reporting for a head office, firms are required to report only the number of employees, salaries and wages paid, office supplies and fuel and electricity used. If a firm's records permit, and in most instances they do, the head office or regional offices are treated as separate establishments and are assigned to the industry indicated by the principal activity of the firm as a whole. Some firms straddle main industry divisions, where in addition to manufacturing operations, they also maintain a central selling outlet or several wholesale units in different localities. In such cases, the firm is not considered to be an integrated unit leading to the wholesale activity but is treated as a manufacturing firm, and the head office is assigned to the same industry classification as the manufacturing plant. Where such a firm operates several manufacturing establishments in different industrial classifications, the head office employees and the other items reported are apportioned to the various establishments, usually on the basis of products made or shipped. When a head office or regional office forms part of a particular plant of the firm such a head office is not considered to be a separate establishment but is included in total with the operations of the plant where it is located. In all cases the head office is assigned to the locality where it is situated. If a firm in the pulp and paper industry, for example, had a head office in Montreal and several operating plants in other localities, the head office employees are credited to the pulp and paper industry in Montreal, even though no pulp and paper plants of any kind are located there.

Valuation of Production or Shipments. - For the purpose of calculating "net value of production" or "value added by manufacture" correctly, it is essential that all manufacturers report the value of shipments or of products made on a standard basis, such as for example, on the basis of the price that they would have received from independent wholesalers for the products made or shipped during the year. In practice, however, standardization of selling values is impossible without resorting to difficult methods of estimation, since firms use different channels of distribution. Some firms sell direct to wholesalers while others sell direct to retailers or industrial users and in some cases even sell direct to householders or ultimate consumers. Firms distribute their products in a number of ways, Some ship through a central warehouse which is charged only with the cost of production, the selling outlet being credited with all the profits made. In other cases some of the profit is credited to the manufacturing operation. The value of an identical unit of product reported to the annual census of manufactures thus varies in accordance with the methods of distribution used. To illustrate, let us assume that it costs one dollar to produce unit "A". Its value as reported could vary approximately as follows:

Shipped to a wholesaler	
Shipped to a retail store	\$1.20
Shipped to an ultimate consumer	\$1.50-
Shipped to a central warehouse at cost of pro-	
duction	\$1.00
Shipped to a central warehouse where profits are	
apportioned between manufacturing and selling	\$1.15

The values of shipments or products made as published in the present report are not uniform; they are a composite of different selling values as illustrated in the foregoing paragraph.

Some difficulty has arisen in recording the shipments of multiple unit firms that ship products from various plants to a central warehouse, located apart from any manufacturing plant, where the selling function of the firm is performed. In such cases goods leaving a plant are considered as being shipments under our definition even though the ownership still remains with the reporting firm. Such firms are considered as performing two distinct functions - (a) manufacturing, and (b) distributing and these two functions are treated statistically as if they were performed by two different organizations. In many cases no stock is held at the plant; consequently shipments and production reported on a plant basis are one and the same. We therefore are still getting production figures from firms that sell from a central warehouse. Where the manufactured products are billed to the warehouse, the firm is required to report the total of such billings during the year. In some cases, however, the production and distribution functions are treated in the accounting records as a unified operation with no billing of the warehouse for the products shipped to it. In such cases firms are instructed, if possible, to report the shipments on a cost of production basis, with a percentage mark-up for profits. The aim of the Division is to get companies to report their shipments on the same basis as if they were selling to an independent wholesaler.

Value Added by Manufacture. - Having received a return from all manufacturing establishments and the value of their products totalled, the question now is "What does this total mean?" The truth of the matter is that a total value of production for a group of industries or for all industries in a year has no significant meaning. To add the value of production of flour mills to that of the baking industry would give an inflated value of production since part of the flour which was sold to bakeries is valued twice, first as a product of flour mills and again in the value of bread. For example, if a flour mill produced \$1.00 worth of flour and sold it to a baker, the baker would use this dollar's worth of flour, and after further processing would sell it for \$2.14 according to the experience of the baking industry for 1954. According to the statistics obtained for that year, for every dollar's worth of materials used the products made were valued at \$2.14. When you add the production of these two establishments, you get a value of \$3.14. There is thus duplication where the products of one establishment become the raw materials of another establishment. However, in the present volume, the totals of gross value of production or shipments are shown as a matter of historical interest.

A more meaningful indicator had to be evolved to measure the importance and wealth created by an industry or group of industries. This was found in the concept "value added by manufacture". This figure is obtained by subtracting the cost of fuel and electricity as well as the cost of materials used from the gross value of the products, and represents the values added to the materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for the payment of salaries and

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202. Survey of Production.

wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met, as well as profits. The value added by manufacture reported by the various industries can be added to produce a non-duplicating total for manufacturing as a whole. Being free of duplication within the manufacturing sector, value added figures are therefore more representative of the total value of manufacturing production than are gross value of production figures.

The concept of "net value" is also most useful in evaluating the relative importance of different industries as creators of economic wealth. Usually the gross value of production is used in ranking industries but this has the defect of overstating the contribution of industries that use expensive materials on which they perform little processing. The following table ranks the fifteen leading industries in 1954 on the basis of "gross" and "net" value of production.

	Selling value of factory shipments		Value a manuf	
	Amount	Rank	Amount	Rank
	\$'000,000		\$'000,000	
ulp and paper	1, 241, 6	1	641.1	1
On-ferrous metal smelting and refining	922, 6	2	352.0	2
etroleum products	909, 3	3	309.8	3
laughtering and meat packing	837.5	4	157.7	9
lotor vehicles	666.3	5	176.5	8
awmills	572, 2	6	263.6	4
utter and cheese	412, 2	7	99.4	24
rimary iron and steel	383.2	8	217, 5	5
ircraft and parts	343.0	9	181.4	7
iscellaneous food preparations	306.5	10	90.4	27
ailway rolling stock	283, 4	11	116.7	18
read and other bakery products	280, 2	12	139.9	14
iscellaneous electrical apparatus and supplies	267.6	13	145.6	13
ubber goods (including footwear)	264, 2	14	149.0	10
rinting and publishing	256.7	15	182.9	6

On the basis of the various factors involved in determining an establishment, outlined in the preceding paragraphs, the definition of a manufacturing establishment may be summarized as follows:

The Establishments. — In most cases an establishment is a complete factory. Sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included, but plants occupied in assembling parts into complete units are included. Data for the annual census is collected on an establishment basis and in most cases a firm with more than one plant is required to file a report for each plant.

Period Covered. — Firms are asked to submit figures for the calendar year, if at all possible, and most report on that basis. Financial year reports, for periods differing from the calendar year, are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Employees. — Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level and clerical employees. Working owners and partners are also included in this category. The number reported is the average for the year.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piecework basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, warehousing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

Salaries and Wages. — Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity. — Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases, unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc. When the rental paid includes heat and light, the value of fuel and electricity used is not reported.

Materials and Supplies Used. — Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others

or received as transfers from other plants of reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments. — Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively

long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories. — Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Standard Industrial Classification. — The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped. Some of the three-digit industries are further broken down into smaller industries at a four-digit level. At this level there are 169 distinct industries for which principal statistics are given in Table 11.

Subsection 2. Recent Changes in Methods

Three important changes have been made during the past few years in the methods of collecting and compiling the returns of the annual survey of manufactures. First was the adoption in 1949 of the Standard Industrial Classification. This new classification superseded the classification formerly used by the Bureau, which was based on the nature of the materials used by manufacturing establishments.

For most purposes, a classification of manufacturing industries based upon "chief component material" has in the past proved most useful in Canadian industrial classification. The Bureau's classification based on this concept has been the one most widely adopted for general purposes, such as the decennial census, foreign trade, industrial statistics, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of such a group as "Textile Products" comprised partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, which form final products such as pig iron, lumber or processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however, turning out more and more goods for final consumption, the combination of ingredients in such production becomes more and more complex. The modern automotive, aircraft, shipbuilding and electrical apparatus industries are examples in which a wide variety of materials must be assembled for the compilation of the final product. For this reason, the application of the component material classification became increasingly more difficult as Canadian manufacturing production developed and diversified.

In establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries, the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as Foods and Beverages, Clothing, Transportation Equipment, Electrical Apparatus and Supplies, have been established. Some industries were broken down, such as the electrical apparatus and supplies which now comprises five industries - (a) batteries, (b) heavy electrical machinery, (c) radios, television sets and parts, (d) refrigerators, vacuum cleaners and appliances, and (e) miscellaneous electrical products. In some cases, establishments were transferred from one industry to another in order to bring them in line with the new industries which were established. Where an industry was eliminated, the establishments were transferred to one or several industries, depending on the nature of the principal products manufactured. A check was also made of all establishments and many transfers were made where the major products of the establishment had changed materially during the years. By and large, little change was required for most industries, the only change being a transfer to the new major groups which were established.

In the Standard Classification adopted in 1949 the industries are now grouped into seventeen major groups listed in Table 11, instead of the nine groups listed in Table 13 which were formerly used as the main basis of classification. The grouping used in Table 11, where the statistics of individual industries are presented in detail, and in the historical series shown in Table 3 is, therefore, on the basis of the new Standard Industrial Classification. However, to retain some basis of continuity with the past, there is a less detailed analysis given in Table 13 on the component material classification basis, while Table 14 gives the industries on the basis of the origin of the materials used.

The second major change was the adoption of the short form in 1949, which goes a long way in relieving small manufacturers from the irksome duty of filling in complicated and detailed returns to the Bureau.

The growing complexity of modern economic life compels governments to obtain more and more data on which to base their economic policies and for the efficient discharge of their responsibilities in the ever-widening field of activity. To get this information is expensive and also throws a burden on industry in general, which of necessity must be called upon to furnish the desired data. Realizing this, and also the fact that the necessary information must be secured, the Bureau has been casting about for new statistical techniques which would lessen the burden on industry and also would, at the same time, secure substantially correct data for the use of the administrator. With manufacturing statistics, unfortunately, the sampling techniques are difficult to apply. Other methods, therefore, had to be adopted in order to lessen the burden of the smaller manufacturer at least and, at the same time, secure substantially correct results. It was found, for example, that in 1949 out of 35,792 manufacturing establishments, 21,060 with a value of production of \$50,000 or less, contributed only 2.6 p.c. of the total value of production. On the surface it looked obvious that the Bureau could exempt these 21,000 establishments from making annual returns and still obtain satisfactory results. This would be true if we were only interested in the total value of production or the total value of materials used. This, however, is not the case, as the users of the statistics are also interested in the details of the products made and the materials used. By a study of each industry it was

found that by exempting the smaller establishments in some industries, that for some commodities produced or materials used there would be a 50 p.c. loss of the total. Complete exemption was therefore out of the question. New methods had to be designed to relieve small establishments of the difficult task in furnishing information. A study was therefore made of each industry classification, of which there are about 200, and different cut-off points were determined for different industries. The general rule adopted was that wherever possible establishments with a value of production of less than \$50,000 per annum should only be required to furnish that one figure to the Bureau. and that on the basis of the information received from the smaller establishments in 1948, the last year for which they were required to furnish complete details, the Bureau would estimate for each small establishment individually the number of employees, salaries and wages paid, as well as the value of materials used. This is done in order to have a hollerith card for each establishment to use in the compilations on a geographical basis. In addition to the principal statistics, details of materials used and products made by the short-form firms are also made for each industry, by province. These estimates are based on the detailed statistics supplied by the small establishments in 1948. These estimates cannot be far out, as in most industries the percentage that these smaller establishments contribute to the total for the industry is only from 10 to 20 p.c. Where it was found that there would be a great loss in commodity data, instead of asking only for the gross value of production, the smaller firms were required to fill in a shorter form which lists the commodities in which there would be a substantial loss if no information was obtained from small firms. In other cases the cut-off point was reduced to \$25,000 or \$15,000.

An important change was made in the annual census of manufactures for 1952. A shipments concept instead of the value of production statistics heretofore compiled was adopted for a large number of industries where it was known that inventory changes from year to year were only of a minor nature. The concept was not changed for industries known to experience wide fluctuations in inventory holdings, pending further study for the need of both production and shipments information. By 1954 the shipments concept was implemented for almost all industries. Industries for which production statistics are still required are asked to report the detail of products made in physical quantities only and at the same time are required to report details of their shipments, giving both the quantity as well as the selling values at the plant. In a few industries such as sawmills, veneer and plywood, etc., production statistics only are still collected, the products made being valued on the basis of average selling prices during the current year.

The aim of the new Census of Industry schedule is to ease the burden of filling out Bureau questionnaires. The value of shipments concept for small and medium sized establishments is more realistic and more readily obtainable from the accounting records of firms, whereas the value of products made, for firms not recording such information, must be derived from special calculations. The value of shipments provides a standard basis of reporting for all establishments. Under the old system some establishments reported the value of products made and others the value of factory shipments, even though the schedule required products made to be reported. This was

especially true for small and medium sized establishments. Further, a great number of firms, attempting to report production values to fulfil the requirements of the old questionnaire, in fact computed their cost of production rather than their selling value, as they were supposed to. Since the value of shipments is usually carried in the firm's accounts, the work of filling out reports should be lessened and the questionnaire should as a result be filled out more promptly. The change should ease the burden for small establishments in particular, since the value of sales is readily available from their accounting records.

Under the "value of products" concept, establishments were required to report the factory selling value of the products made, whether sold or not, the unsold portion being assigned the average selling value of similar articles sold during the year. Where no selling values were available for the unsold portion estimated values had to be assigned. Under the new concept establishments are required to report their sales during the year, regardless of when the products were made.

These two concepts give different results, the first gives the value of products made and the second the value of products sold. For a large number of industries where normally there is no significant changes in the opening and closing inventories of finished products, these two sets of figures may be used interchangeably as they both reveal more or less the value of production and are, therefore, comparable with figures for previous years. There are, however, a number of large key industries with substantial changes in their opening and closing inventories. In such industries the new concept gives quite different results to that obtained formerly. To get comparable figures, the shipments figures must be converted to a production basis by adjusting for inventory change.

The change to the new concept solved the problem of unformity of reporting inasmuch as the smaller firms who previously were reporting shipments instead of production are now reporting correctly. However, the new method has created other problems. One of these is the calculation of "value added by manufacture," which is obtained by subtracting from the value of production the cost of materials used, including the cost of fuel and electricity. Since the value of production is not now being reported, it has to be calculated by using the following formula.

"Shipments plus closing inventory of finished products and goods in process minus the opening inventory of finished products and goods in process equals value of products made."

In order to enable the Bureau to calculate "value added," it became necessary to ask firms to report their opening and closing inventories, broken down into (a) raw materials, (b) goods in process, and (c) finished products. These questions were added to the form for the 1954 census. As the schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added by manufacture is obtained by subtracting from the shipments the cost of materials used, including fuel and electricity. Ideally the inventory adjustment should be on a "value of the physical change" basis rather than the "change in book value". However, it has not been possible to introduce these refinements at the present time.

Subsection 3. Methods and Forms Used in Collecting and Compiling the Census of Manufacturing for 1958 and 1959

Procedures Followed in 1958

Since 1949, as already mentioned, establishments with sales of \$50,000 or less were not required to report details of employment, salaries and wages paid, materials used, products shipped, fuel and power consumed, etc. In some industries the cut-off was \$25,000, going as low as \$15,000 for clothing contractors. In most cases these small establishments were required to report only the value of products made or shipped. In the case of a number of industries respondents were required to report some detail of products made or sold. On the basis of the selling value of factory shipments in the year under review estimates were made of all the principal statistics, including inventories, fuel and electricity consumed, monthly employment of production workers, etc. The estimated statistics for

the small establishments were then combined with the totals reported by the larger establishments so that the figures published in the present report are the totals for manufacturing as a whole.

For 1958 another full census was taken. For that year all small establishments were required to furnish some detail on employment, salaries and wages paid, materials used, products shipped, etc., although the detail requested was not as elaborate as in the regular long form, the cut-off for this special form for small firms in most cases being raised to \$100,000. The data for 1958 will serve as bench-marks for estimating missing detail of the smaller establishments which for 1959

and subsequent years will again be required to furnish one figure only, viz. selling value of factory shipments, with some detail on products shipped.

A facsimile of the forms used for the 1958 survey is given in Appendix III of the 1958 report. These "General Schedules" for both large and small establishments do not show the details of materials used or products made or shipped. However, both the short and long forms used for each of the 175 or so individual industries did have this detail printed on each form. Every respondent, therefore, knew exactly what details to report, so that statistics on products manufactured or sold given in Appendix II refer to the total manufactured as reported by both large and small establishments. Nevertheless it should be pointed out that there is some element of incompleteness in some of the items in the Alphabetical List of Products, since in the returns of many manufacturers, products of minor importance of each particular establishment are not reported separately but are grouped under the item "all other products". See also paragraph further on, re "Selling Value of Factory Shipments".

The definition of each item of the principal statistics as published in the present review appears on page 11 and 12. The survey of manufactures for 1958 was made in accordance with these definitions. In the following paragraphs an explanation is given as to coverage and methods used in calculating the detail not reported by the small establishments completing the short form.

Establishment. — The number given is the total of all establishments both large and small, considered as coming within the manufacturing sector in accordance with the definitions of the Standard Industrial Classification used for the 1958 survey of manufactures.

Employees. - The total was obtained by adding three classifications of employees, (a) working proprietors for unincorporated establishments, (b) administrative and office employees and (c) production workers. The number reported under (a) and (b) is the average for the year. The number of production workers under item (c) is the average of the number reported as being employed during the last pay period of each month. In every case the monthly figures are divided by twelve to obtain an annual figure. This is also done in the case of seasonal industries working only a few months during the year. When an establishment for example reported 12 production workers in May, 20 in June and 4 in July, the average number of production workers for such an establishment would be 3 (20 + 12 + 4 divided by 12). If the establishment in the above example also reported one working proprietor and one office employee, the total number of employees would be 5. Since working proprietors are grouped with administrative and office employees, such an establishment would be considered as having 2 administrative and office employees and 3 production workers. The above treatment applies to all the establishments reporting on the long form. In the case of the smaller establishments reporting on the short form the three-way break down was the same. In all three categories the number employed during the last pay period in May, 1958 was required to be reported.

It should be noted that small establishments thus reported only one figure for production workers as against the monthly figures reported by the larger establishments which were averaged by dividing by 12 to obtain an annual figure.

In the case of several seasonal industries such as fish processing and fruit and vegetable preparations the number employed by small firms at the end of May was not taken as the number employed for the year. In these cases the number employed was calculated separately for each establishment on the basis of the amount of wages paid during 1958. The calculation was based on the average annual wage reported by the large establishments. If it was found for example that the average annual wage of the large establishments was \$1500 and the amount of wages paid for the year by a small establishment was \$7500 the number of employees for this establishment was taken as 5, regardless of the number reported as being employed during the last pay period in May, 1958.

Monthly Employment of Production Workers. - Since the smaller establishments reported only the number employed during the last pay period of May, 1958, the figures on monthly employment of production workers given in Tables 27 and 28 refer to the number reported by the larger establishments only. In the case of some seasonal industries where the smaller establishments comprise a significant proportion of the total, the trend of employment would be flattened out by adding to each of the monthly figures reported by the larger establishments the number as at the end of May reported by the smaller establishments. This was done in the case of Table 26 which gives total employment by months of both large and small establishments. For manufacturing as a whole this method does not seriously detract from the actual seasonal trend of employment since the numbers reported by the smaller establishments at the end of May accounted for only 4.2 per cent of the total for male and 3.8 per cent for female production workers.

In any case the monthly employment of the larger establishments only are given in each case together with the end of May figure reported by the small establishments. Two methods are thus available in measuring seasonal movements of employment. The first method is to use only the monthly figures of the large establishments and the second method is to add to these monthly figures the numbers reported as at the end of May by the small establishments.

Salaries and Wages. — The figures are the total of both large and small establishments. The break down in the three classes of employees given in the preceding paragraph was the same for all establishments and the earnings reported are the gross earnings for the calendar year 1958, which include bonuses, overtime earnings and the value of room and board when provided, deductions from employees for income tax and for social services, such as sickness, accident insurance, pensions, etc.

Cost of fuel and electricity Used.— The figures are the totals of both the large and small establishments since all establishments were required to report separately (a) the total value of fuel used and (b) the cost of electricity purchased, including service charges.

Details of Various types of Fuel Used. — Only the larger establishments were required to report this detail. The figures published in Tables 56 and 57, therefore, cover only the larger establishments since no estimates of detail were made for establishments receiving the short form. Of the total value of fuel used amounting to \$333,978,263 for manufacturing as a whole, over 98 per cent was reported by the large establishments.

Kilowatt Hour Consumption. — Since small establishments were required to report only the value of purchased power, estimates were, therefore, made of the K.W.H. consumption of these establishments. These estimates are based on the cost per K.W.H. reported by the large establishments which for manufacturing as a whole in 1958 amounted to .467 cents per K.W.H. As in the case of fuel, the value of purchased electricity by small establishments was less than 2 per cent of the total for manufacturing as a whole. It was also assumed that no power for own use was generated by small establishments. The estimates on K.W.H. consumption was not made on each return but in total for each industry group and province. The figures on value of fuel and power consumption given in Table 53 are totals for all establishments.

Opening and Closing Inventories. — The questions on opening and closing inventories were the same for both large and small establishments with the larger establishments only being required to give additional information on opening and closing inventories, not held at the reporting plant or plant warehouse, but held in owned or rented warehouses elsewhere, in transit or on consignment. The figures on inventories given in Table 25 are total figures for both large and small establishments, since in most

cases small establishments would hold their inventories at one location and would not be too seriously involved with goods in transit or on consignment.

Power Equipment. — The figures published in Table 57 are totals for all establishments since this question was the same for both large and small establishments.

Selling Value of Factory Shipments. — The figures on selling value of factory shipments appearing in the tables of this report are totals for all establishments. The details of the various products shipped by each industry as well as the figures given in The Alphabetical List of Products Manufactured in Canada contain a certain element of incompleteness.

In order to relieve the smaller establishments to some extent from the onerous task of reporting details of all their products, a study was made for each industry for the purpose of evaluating the commodity loss which would result if the smaller establishments would omit details of shipments of the minor commodities produced by them. The list of commodities to be reported by the smaller establishments was determined by these studies. To illustrate this point we will assume that Industry X produced six different commodities a, b, c, d, e and f and that the smaller firms produced only minor amounts of commodity b and c. Commodities b and c were therefore omitted from the short form and the section on commodities produced or shipped by industry X would appear as follows on the forms.

Small establishments			Large establishments				
	Quantity	Value		Quantity	Value		
Commodity A D E F			Commodity A B C D E				
All other commodities	xxxxx		All other commodities	xxxxx			
Total value of products shipped			Total value of products shipped				

By studying the question on products shipped by Industry X it becomes readily apparent that the figures for commodities b and c are somewhat short of the actual total, viz, to the extent of the quantity shipped by the smaller establishments and for which they were not required to give details and which they included with the item "All other Commodities". This omission does not, however, seriously detract from the completeness of the commodity detail published for each industry or of the "Alphabetical List of Products Manufactured in Canada", shown as Appendix II of this report, since the loss as revealed by the industry studies is of only a minor nature.

Levels of Valuation of Factory Shipments. — See paragraph on Valuation of Production or Shipments on page 10.

Materials Used. — The figures on the value of materials used are totals for both large and small establishments. For a definition of this term see paragraph on "Materials and Supplies Used" page 11. The remarks above on the incompleteness of the statistics for the various products produced or shipped by different industries apply equally to materials used.

Procedures Followed in 1959

As mentioned previously, small establishments in 1959 were again required to report only one figure, viz. selling value of factory shipments. This applied, by and large, to all small establishments with shipments of \$100,000 or less. There were, however, some exceptions to this rule. In the case of a number of industries the small establishments were required to give some detail of products shipped. See Appendix III for a facsimile of the form used in such cases. Another innovation was introduced in 1959; the adoption of a separate form for medium-size establishments that as a rule had annual shipments of \$100,000 to \$500,000. The medium-size form differed from the long form in the following respects:

- 1. Less detail of materials used and products shipped.
- Report of production workers every quarter instead of monthly.
- No details of fuel used or the number of K.W.H. consumed.
- 4. Less detail of inventory held.

These changes necessitated the adoption of estimating techniques in arriving at total statistics for each industry, as follows:

Principal Statistics. — Since small establishments reported only the value of shipments, estimates had to be made of the number of employees, salaries and wages paid, cost of fuel and electricity consumed, value of materials used, etc. The

basis of the estimates were the statistics furnished by each small establishment in 1958. The percentage variation in the value of shipments in 1959 as compared with 1958 was applied to the salaries and wages paid, cost of materials used as well as the cost of fuel and electricity reported in 1958. The number of employees was then estimated on the calculated salaries and wages paid in 1959. Where the change was small no change was made in the number of employees, but where the change in 1959 was substantial the number of employees was adjusted accordingly in the light of annual wages paid by the industry and the locality.

Number of Production Workers Employed. — The method used was the same for 1959 as for 1958. This is outlined on page 14 in the paragraph headed "Employees". Due to the adoption of the medium-size form the estimating procedure had to be altered in order to arrive at the annual employment figures of production workers in each industry. For the small establishments the number of production workers was calculated as outlined in the preceding paragraph. For establishments reporting on the medium-size form the number of production workers was obtained by dividing by four the sum of the quarterly employment figures reported, while for the large establishments the sum of the monthly figures were divided by twelve to arrive at an annual figure. These three figures were then added to arrive at an industry total.

Monthly Employment of Production Workers. — Separate tabulations were made for the small, medium-size and large establishments. To arrive at the monthly totals shown in Table

26 the following method was used. To illustrate, let us assume that industry X consisted of one small, one medium-size and one large establishment that reported the following figures.

	Large establishment	Medium-size establishment	Small establishment ¹	All establishments
January	6,656			6,884
February	6,392			6,711
March	6,565	317		6,884
April	6,957			7,521
May	7,386			7,950
Tuno	8,228	562		8,792
July	8,420			8,635
August				8, 409
September	7, 793	213		8,008
	7, 296			7,415
October	6,627			6,746
November	5, 949	117		6, 068
December	0, 343	111		
Annual average	6,702	101	2	6,805

¹ Calculated number is 2.

January total is	(6,	392	+	317	+	2)	=	6,711	
March total is April total is	(6,	957	+	562	+	2)	=	7,521	

Cost of Fuel and Electricity and KWH Consumption.—
In 1959 the medium-size establishments reported separately the cost of fuel and electricity while the small establishments did not supply any information at all. The total cost of fuel and electricity consumed by small establishments was therefore, estimated on the basis of the 1958 figures reported by the small establishments, adjusted for changes in the selling value of factory shipments in 1959 as compared with 1958. The break-down of the total cost of fuel and electricity used by small establishments was then estimated on the basis of the proportions of fuel and electricity reported in 1958. Since medium-size and small establishments did not report KWH consumption, estimates were made on the basis of unit costs

reported by large establishments. A total was obtained by adding the group estimates. This calculated total was then apportioned provincially on the basis of the percentage of the total cost of electricity reported by each province. The figures for 1958 and 1959 given in Table 53 were calculated on this basis.

No estimates were made of the various kinds of fuel used by small and medium-size establishments. The figures given in Tables 56 and 57 for 1958 and 1959 refer only to large establishments which reported 95.2 p.c. of the estimated total for all establishments.

Subsection 4. General Review of the Manufacturing Industries of Canada, 1959

Manufacturing production in 1959 recovered from the minor recession that commenced in the fall of 1957 and continued to November 1958. Selling value of factory shipments at \$23,311,601,481, value added by manufacture at \$10,320,962,881 and salaries and wages paid at \$5,073,073,706 were all the highest on record. The number of employees in 1959, however, although higher than in the previous year, fell short by 4.1 p.c. from the record attained in 1957. It is of interest to note that the value added by manufacture which is the real measure of manufacturing production topped the ten billion mark for the first time in 1959.

Compared with the previous year, the value of factory shipments in 1959 increased 5.2 p.c., salaries and wages 5.6 p.c. and value added by manufacture 5.3 p.c. The volume of production which increased by 7.0 p.c. recorded a more extensive expansion in output than the other indicators would show. The increase of 7.0 p.c. in volume of production was accomplished with an increase of only 1.1 p.c. in the number of persons employed. This phenomenon is in accordance with the trend in recent years for the same volume of output to be produced with fewer employees. Since 1949 the physical volume of manufactured products increased by 48.9 p.c. while the number of persons employed increased only by 11.3 p.c. The increase in the salaries and wages paid was due to an increase in the number employed in 1959 as well as to the continuing increase in weekly and hourly earnings in manufacturing, a trend common to all other sectors of the economy.

The continuing high spending on capital goods such as construction and machinery and equipment of all kinds was an important factor in the recovery in manufacturing production which occurred in 1959. Total investment in capital goods amounted to \$8,411,000,000 in 1959 which was an increase of \$47,000,000 over 1958. Spending on machinery and equipment was \$79,000,000 higher while spending on construction projects was \$32,000,000 lower. This stimulated the industries producing electrical and other machinery which operated at a higher level in 1959, but had a moderate depressing effect on the industries producing building materials. In the case of the lumber industry, the increase in the export of planks and boards and veneer and plywood counterbalanced the decline in the spending for construction, the net result being a moderate increase of 2.7 p.c. in the volume of wood products manufactured. Another factor which stimulated production in 1959 was the impact on the consumer goods industries of the increase of about 394,000 in population as well as by the continuing rise of \$1,283,000,000 in wages, salaries and supplementary labour

Export demand for Canadian manufactured products was another strong factor in stimulating recovery in 1959. Exports of partly manufactured products at \$1,453,900,000 were \$138,400,000 higher while exports of fully manufactured products at \$1,860,600,000 were \$84,100,000 higher. All told there was an increase of 7.2 p.c. in the export of partly and fully manufactured products. There was substantial improvement in

the export of wood pulp, veneer and plywood, newsprint, whisky, farm implements and machinery, nickel, copper and its products, crude artificial abrasives, and synthetic rubber and plastic manufactures. Moderate increases in exports were reported for timber and lumber, aluminum and its products, fertilizers, lead and its products, non-farm machinery and uranium ores and concentrates. Declines also occurred in a number of the major export items. Red cedar shingles, wheat flour, zinc, automobile parts and aircraft were all lower. Txports of aircraft declined sharply from \$109,112,783 in 1958 to \$24,960,067 in 1959. This resulted in a drop of 25 p.c. in the volume output of the aircraft industry in 1959.

As already mentioned, the physical volume of production in 1959 for manufacturing as a whole increased 7.0 p.c., following a drop of 2.7 p.c. in 1958 and 1.5 p.c. in 1957. was thus an overall increase in 1959 of 2.6 p.c. over 1956 which was the previous high in volume output. The improvement in volume was about the same for both durable and nondurable goods. Durable goods rose 7.5 p.c. and non-durable goods 6.7 p.c. Since the non-durable goods industries were not affected by the downturn in production in 1958, the rising volume of 1959 advanced these industries to the same level as durable goods. In 1957 the indexes for non-durable and durable goods were 139,7 and 146,7 respectively, while in 1959 they were about the same, 148.8 and 149.0 respectively. The total index for manufacturing in 1959 was 148.9. Since the end of the war the durable goods sector experienced an almost uninterrupted expansion in volume of production, the only exceptions being 1954, 1957 and 1958 when the output was lower than the previous year. Non-durable goods fared better, having experienced only one year of substantial lower output, viz. 1954. In spite of the steadier expansion, the non-durable goods sector recorded an increase in volume of only 54 p.c. between 1946 and 1956, while durable goods increased by 92 p.c. during the same period. This favourable achievement by durable goods was somewhat lessened by the declines in volume production during 1957 and 1958. Between 1946 and 1959, therefore, durable goods expanded by 86 p.c. while non-durable goods expanded by 66 p.c. The gap in the increase was thus narrowed during the past three years.

All groups in the non-durable goods sector operated at a higher level in 1959. The greatest increase in volume of production was reported by the rubber goods industries with an increase of 17.4 p.c. This was followed by textiles with an increase of 12.8 p.c., products of petroleum and coal 11.4 p.c., miscellaneous industries 11.1 p.c., chemicals and allied products 7.2 p.c., paper and paper products 6.9 p.c., printing, publishing and allied industries 6.5 p.c., beverages 6.5 p.c., leather products 5.2 p.c., tobacco and tobacco products 3.9 p.c., foods 3.5 p.c. and clothing 0.8 p.c.

In the durable goods sector all groups, with the exception of transportation equipment, reported increased volume. The greatest increase of 16.9 p.c. was reported by the iron and steel products group, followed by non-metallic mineral products with an increase of 8.8 p.c., non-ferrous metal products 7.2 p.c., electrical apparatus and supplies 5.8 p.c. and wood products 2.7 p.c. The increased volume of the wood and nonmetallic mineral products groups reflects the high level at which the construction industry operated. The hydraulic cement industry which is a component of the non-metallic mineral products group had a 2 p.c. increase in volume, the output of cement rising from 6,153,421 tons in 1958 to 6,284,486 tons in 1959. The wood products group was also stimulated by a strengthened demand in other countries for Canadian lumber. Exports of timber and lumber rose from 3,922,953 M feet in 1958 to 4,169,949 M feet in 1959, while exports of veneer and plywood rose to 724,002 M sq. ft. from 561,767 M sq. ft. the previous year. The primary iron and steel industry which is an important component of the iron and steel group also registered a gain in volume of 37.7 p.c. The production of pig iron at 4,182,775 tons was 1,123,000 tons higher while steel ingots and castings at 5,901,487 was 1,542,000 tons higher.

As mentioned previously, only one group in the durable goods sector, viz. transportation equipment, reported a drop in volume which for the group as a whole was 1.6 p.c. The trend for the various industries composing the group was mixed.

The motor vehicle parts industry had an increase in volume of 17.1 p.c. and the motor vehicle industry an increase of 7.4 p.c. Shipbuilding was only fractionally higher, while the aircraft and railway rolling stock industries reported declines of 14.7 p.c. and 14.5 p.c. respectively. The drop in aircraft production was partly due to the decline in export shipments in 1959.

Ontario which is recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance, and in 1959 accounted for 50.0 p.c. of the total value of factory shipments. Quebec with 29.7 p.c. of the total value of factory shipments accounted for 50.0 p.c. of the total value of factory shipments as the second largest industrial province, while British Columbia with 8.0 p.c. of the total ranks third. Due to the expansion in production of durable goods in 1959, Ontario increased its share of the total while Quebec and British Columbia reported declines,

The improvement in production reported by the manufacturing industries in 1959 was not the same for all provinces. The outstanding feature was the continuing expansion in manufacturing employment in Saskatchewan which increased by 2.1 p.c., this on top of an increase of 2.3 p.c. in 1958 when all other provinces reported declines. The three Prairie Provinces as an economic unit achieved the greatest expansion in production with an increase in employment of 2.9 p.c. Ontario came second with an increase of 1.5 p.c., followed by British Columbia with 0.9 p.c. and Quebec 0.4 p.c. The Atlantic Provinces reported a drop of 0.8 p.c. in employment, due to the failure of Nova Scotia to share in the expansion which was common to the rest of Canada in varying degrees. By provinces, the greatest increase in employment was reported by Prince Edward Island with an increase of 8.4 p.c. and the smallest increase by Newfoundland with 0.2 p.c. Nova Scotia reported a drop of 2.9 p.c.

The industrial expansion of Canada since Confederation has been phenomenal. In the past generation alone, Canada has changed from a country producing and exporting mainly primary products to a country that is increasingly producing and exporting manufactured products, until to-day manufactures account for about 26 p.c. of the value of all goods and services produced, and also ranks as the leading employer of labour in Canada.

Canada is no longer on the fringes of industrialization but ranks among the world's most important manufacturing countries. Basic historical developments, such as the opening of the West and the magnitude of requirements of all kinds for World Wars I and II, have been followed by recent discoveries of far-reaching significance. Such events as the discovery of a major oil pool on the prairies in 1947, the discovery of largescale deposits of iron and the successful search for uranium have given new dimensions to Canadian thinking and business planning. These are the factors that explain the records of capital expenditures year by year since the end of the War. Yet it is not the mere rate of expansion that is significant. There have been other periods when Canada's population has grown more rapidly and in many respects the rate of industrial expansion in the late 1920's was relatively as great as in the post-war years. The real significance of the latter period is that never before has there been an advance on such a broad industrial front.

The second point to be observed is the changing emphasis of Canadian manufacturing activity. By 1949 the period of post-war conversion was passed and Canada had entered a new phase of economic expansion which derived its dynamic from the discovery of new resources and the application of new processes. This meant that even the sharp recession in the United States in the year 1949 failed to have significant effects in Canada. The influence of Korea and the consequent rearmament program gave an added impetus to the expansion of Canadian industry and to the development of Canadian basic resources. Capital expenditures that contributed most to the defence of Canada were given priority. Additional capacity was created to meet requirements of the specialized defence program—aircraft, electronic equipment, ships and guns—many items of which had never before been produced in Canada. Measures such as teel control, credit regulations and deferred depreciation had

the desired effect. A shift gradually took place toward the further expansion of basic industrial capacity and away from investment in consumer goods and services.

The stability or current levels of manufacturing is indicated by the fact that such activity is the result of business assessments of resources and market potentialities. Millions of dollars are being invested in oil because the prairies can produce oil as economically as other great fields on the North American Continent. Petro-chemical plants are being erected because the raw materials are readily at hand. Kitimat is based on the coincidence of abundant and cheap hydro-power and access to ocean transportation, both of which are essential to the low-cost production of aluminum. The exploitation of the Ungava iron deposits rests on the belief that the steel industry of the North American Continent will need the high-grade ores involved in order to meet continuing peace-time demands. No country is in a more favourable position than Canada to supply uranium for the production of atomic energy.

Of strategic importance, and probably of even greater long-term significance to the Canadian economy, has been the growing world-wide shortage of raw materials; a shortage born of rising levels of employment and income, and accentuated by the course of international events, especially since 1950. These demands have shown few signs of abating and they have led to substantial increases in Canadian primary manufacturing capacity, particularly in so far as the light metals, nickel, chemical fertilizers and the cheaper grades of paper are concerned.

In recent years the demands stemming from population growth and a rising standard of living have been noticeable at all levels. In food processing, a steady up-grading in the quality of foods sold on the domestic market has been even more important than population growth. The two together have almost doubled the dollar sales of processed foods in this country since 1945. And at the intermediate level other important changes have taken place. Many of Canada's new chemical plants, for example, have been built with the domestic consumer market in mind, Frequently using petroleum or natural gas as a source of raw material, they have gone a long way towards making Canada independent of imports in such categories as vanillin, nylon and rayon intermediates, and plastics for packaging and similar uses.

The tremendous development which has taken place in Canada during the decade preceding 1957 is strikingly illustrated by the increase of 70.3 p.c. in the physical volume of manufactured products between 1946 and 1956 as compared with an increase of only 31 p.c. in the population. Part of this increase, resulted from an increased demand abroad for Canadian manufactured goods, part to the demands imposed on Canadian industry as a result of the expansion in the economy during the past decade, and part to the increase in the standard of living of the Canadian people. The increase of 91.9 p.c. in the output of durable goods consisting mainly of building materials, transportation equipment as well as machinery and equipment of all kinds reveals the extent of the contribution made by Canadian industry to the phenomenal expansion in the productive capacity of the country. Non-durable goods during the same period increased by 53.8 p.c. Although this increase is quite large it is, nevertheless, overshadowed by the much larger increase of 91.9 p.c. in the durable goods industries of the manufacturing sector.

With only one exception, all groups in both the durable and non-durable sectors recorded marked advances in volume output since 1946, the exception being leather products with a decline of 6.8 p.c. In the durable goods sector the most striking advance was made by the electrical apparatus and supplies group with an increase of 182.6 p.c. This was followed by non-metallic mineral products with 166.0 p.c., transportation equipment 95.9 p.c., iron and steel products 79.8 p.c., non-ferrous metal products 62.6 p.c. and wood products 59.3 p.c.

In the non-durable goods sector the greatest advance was made by the products of petroleum and coal group with 190.8 p.c. This was the highest increase of any group of either sector. Chemicals and allied products with an increase of 100.9 p.c. came second, followed by miscellaneous industries with 83.3 p.c., printing, publishing and allied industries 78.5

p.c., rubber goods 72.1 p.c., paper products 70.1 p.c., beverages 68.4 p.c., tobacco and tobacco products 61.0 p.c., textiles 32.2 p.c., foods 27.6 p.c. and clothing 23.4 p.c. The output of leather products group declined 6.8 p.c.

Manufacturing establishments reporting in 1959 numbered 36,193. Of these 797 were located in Newfoundland, 178 in Prince Edward Island, 1,314 In Nova Scotia, 915 in New Brunswick, 11,584 in Quebec, 13,081 in Ontario, 1,607 in Manitoba, 883 in Saskatchewan, 1,830 in Alberta, 3,992 in British Columbia and 12 in the Yukon and Northwest Territories. These plants furnished employment to 1,303,956 persons who received \$5,073,073,706 in salaries and wages. They also shipped goods with a selling value at the factory of \$23,311,601,481 and spent \$12,552,200,543 for materials, while the value added by manufacture totalled \$10,320,962,881.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

With the change-over to a shipments basis in 1952 value of production figures are not now being reported by manufacturing establishments. They now report the value of their shipments which must be converted to a value of products basis in order to calculate value added. The formula used is "value of shipments plus closing inventory less opening inventory of finished goods and goods in process equals value of products made".

As the Census of Industry schedules for 1952 and 1953 did not contain data for opening and closing inventories, no calculations can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. For 1954 and 1955 value of production figures were obtained by adjusting shipments for inventory change of finished goods only, while for 1956 and later years the value of production figures were adjusted for inventory change in both finished goods as well as goods in process. The figures for value added for 1956 and subsequent years are, therefore, comparable with 1951 and earlier years.

A number of industries still report value of production. To calculate value added by manufacture for these industries, the value of materials used, including the cost of fuel and electricity, is subtracted from the value of production reported, no account is taken of inventory change. For this reason the figures on value added by manufacture for manufacturing as a whole or for major groups published in this report differ slightly from the calculated figures derived by using the formula for converting shipments to production values which is "Shipments plus closing minus opening inventories of finished goods and goods in process equals value of production". To illustrate this point 1955 figures for Canada will be used. These figures

are as ionows.	
#10 #10 A01101101	\$'000,000
Value of factory shipments	19,513.9
Inventory of finished goods and goods in process: Closing	
Opening	
Cost of fuel and electricity	
Calculated value of production	
(19,513.9 plus 1,738.6 minus 1,619.7=19,632.8)	

Value added by manufacture (19,632.8 minus 10,338.2 minus 457.8 = 8,836.8)

This is slightly different to the 8,753.5 figure given in Table 1. The difference is due to the fact that the figures for inventory change used in the formula are for manufacturing as a whole and include the figures for those industries still on a production basis and for which inventory changes have not

been taken into account in calculating their value added by manufacture.

Variation in Volume of Production

	Volume	indexes (1949	9 = 100)	Percentage variation			
Group	1959	1958	Percentage variation	1951 compared with 1946	1956 compared with 1951	1956 compared with 1946	
All manufactures	148.9 148.8 149.0	139. 1 139. 5 138. 6	+ 7.0 + 6.7 + 7.5	+ 35.0 + 23.4 + 50.1	+ 26.2 + 24.6 + 27.9	+ 70.3 + 53.8 + 91.9	
Non-durable goods: Foods Beverages Tobacco and tobacco products Rubber and rubber products Leather products Textiles Clothing, including knitting mills Paper products Printing, publishing and allied industries Products of petroleum and coal Chemicals and allied products Miscellaneous industries	143.9 154.1 179.9 161.1 120.3 123.5 115.3 144.1 143.2 241.5	139. 0 144. 7 173. 2 114. 4 109. 5 114. 4 134. 8 134. 4 216. 8 186. 5 160. 0	+ 3.5 + 6.5 + 3.9 + 17.4 + 5.2 + 12.8 + 0.8 + 6.9 + 6.5 + 11.4 + 7.2 + 11.1	+ 3.9 + 29.2 + 4.9 + 39.6 - 27.1 + 27.5 + 6.2 + 45.1 + 36.7 + 72.9 + 38.4	+ 22.8 + 30.3 + 53.6 + 23.3 + 27.9 + 3.7 + 16.2 + 17.3 + 30.6 + 68.2 + 45.7 + 23.5	+ 27.6 + 68.4 + 61.0 + 72.1 - 6.8 + 32.2 + 23.4 + 70.1 + 78.5 + 190.8 + 100.9 + 83.3	
Durable goods: Wood products Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products	134.7 147.7 128.7 134.9 180.7 224.0	131. 1 126. 4 130. 8 125. 8 175. 5 205. 9	+ 2.7 + 16.9 - 1.6 + 7.2 + 5.8 + 8.8	+ 32.3 + 44.8 + 62.9 + 39.5 + 78.3 + 66.4	+ 20.5 + 24.2 + 20.3 + 16.6 + 58.5 + 59.8	+ 59.3 + 79.8 + 95.9 + 62.6 + 182.6 + 166.0	

Percentage Variation of Manufacturing in Canada, by Provinces and Groups, 1959 Compared with 1958 and 19541

	1959	compared with	1958	1959 compared with 1954			
Province and group	Number of employees	Salaries and wages	Selling value of factory shipments	Number of employees	Salaries and wages	Selling value of factory shipments	
Canada Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories	+ 1, 1 + 0, 2 + 8, 4 - 2, 9 + 0, 9 + 0, 4 + 1, 5 + 1, 8 + 2, 1 + 4, 4 + 0, 9 - 20, 7	+ 5.6 + 4.3 + 13.7 + 2.0 + 4.8 + 6.3 + 7.8 + 8.8 + 8.8 + 3.6 - 10.0	+ 5.2 + 1.7 + 2.9 - 3.2 + 4.0 + 2.4 + 7.1 + 4.8 + 4.6 + 4.2 - 28.8	+ 2.8 - 2.7 - 0.3 - 4.9 - 5.3 + 1.7 + 2.8 + 4.7 + 8.8 + 20.6 + 5.5 - 39.8	+ 30.3 + 10.4 + 28.5 + 22.2 + 15.9 + 27.4 + 31.2 + 32.2 + 40.4 + 57.4 + 31.8 - 3.2	+ 32.8 + 8.6 + 17.9 + 32.9 + 13.3 + 28.2 + 36.7 + 30.1 + 23.7 + 54.2 + 27.2 - 20.0	
All groups Foods and beverages Tobacco and tobacco products Rubber products Leather products Leather products Textiles Knitting mills Clothing Wood products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	+ 6.1	+ 5.6 + 6.3 + 2.5 + 13.6 + 5.1 + 5.0 + 4.7 + 4.4 + 4.9 + 5.1 + 7.0 + 13.8 - 3.9 - 4.5 + 0.2 + 10.4 + 4.9 + 4.9 + 9.5	+ 5.2 + 3.2 + 6.4 + 12.7 + 9.9 + 8.6 + 9.0 + 2.3 + 6.1 + 7.3 + 8.1 + 13.7 - 2.6 - 13.7 + 3.2 - 9.0 + 5.6 ² + 9.0 + 5.0 ² + 9.0 + 13.7 + 13.7 - 2.8 - 13.7 - 2.9 - 3.6 - 13.7 - 2.9 - 3.6 - 13.7 - 2.9 - 3.6 - 13.7 - 3.9 - 3.9 - 4.9 - 5.0 - 6.1 - 7.9 -	+ 2.8 + 8.0 + 8.6 + 1.0 + 0.9 - 1.6 - 2.9 - 2.2 - 4.0 + 7.9 + 7.7 + 11.1 - 14.9 - 3.0 - 1.6 - 2.3 - 4.5 - 4.5 - 6.2 - 2.1	+ 30, 3 + 38, 9 + 36, 6 + 28, 7 + 23, 2 + 19, 2 + 9, 7 + 18, 8 + 20, 0 + 30, 8 + 39, 9 + 42, 3 + 11, 0 + 25, 6 + 55, 6 + 34, 7 + 37, 2 + 53, 2	+ 32.8 + 31.2 + 44.0 + 31.3 + 25.5 + 17.7 + 18.2 + 24.4 + 42.7 + 57.5 + 18.0 + 37.7 + 21.2 + 59.5 + 24.2 + 47.3 + 71.4	

For a comparison of 1949 with 1945 and 1954 with 1949, see Table 5.
 This differs from the published figures on shipments which show a drop of 13.5 p.c. A change in method of valueing shipments in 1959 resulted in lower unit values being reported. It is estimated that on the old basis 1959 shipments would have been higher by about \$268,000.000.

Tables 1 to 3 give a picture of the growth of manufacturing, in general, as shown by comparable principal statistics, i.e., establishments, capital, employees, salaries and wages paid,

cost of materials and values of products. A number of interesting comparisons are made in Table 4 and figures of consumption are given in Table 6.

TABLE 1. Summary Statistics of Manufactures, 1917-59

Note: Statistics of manufacturing from 1870 have been published, but between that year and 1917 they are not on a comparable basis to the segiven below. They will be found in Table 1 in the 1941 edition of this report. Statistics of the non-ferrous metal smelting industries were not ided in manufactures for the years 1920-1924.

Year	Estab- lish- ments	Capital	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Gross value of products ²
	No.	\$	No.		do	llars	
917	21,845	2, 333, 991, 229	606,523	497, 801, 844	1,539,678,811	1, 281, 131, 980	2,820,810,791
918		2,518,197,329	602, 179	567, 991, 171	1,827,631,548	1, 399, 794, 849	3, 227, 426, 397
		2, 670, 559, 435	594, 066	601, 715, 668	1,779,056,765	1, 442, 400, 638	3, 221, 457, 403
919		2, 923, 667, 011	598, 893	717, 493, 876	2, 085, 271, 649	1,621,273,348	3, 706, 544, 997
920		2, 697, 858, 073	438, 555	497, 399, 761	1, 365, 292, 885	1, 123, 694, 263	2, 488, 987, 148
921		2, 667, 493, 290	456, 256	489, 397, 230	1, 272, 651, 585	1, 103, 266, 106	2, 375, 917, 691
922	1	2, 788, 051, 630	506, 203	549, 529, 631	1, 456, 595, 367	1, 206, 332, 107	2,662,927,474
923	1	2, 895, 317, 508	487,610	534, 467, 675	1, 422, 573, 946	1, 075, 458, 459	2, 570, 561, 931
924		3, 065, 730, 916	522, 924 ³	569, 944, 442	1, 571, 788, 252	1, 167, 936, 726	2, 816, 864, 958
9253			559, 161 ³	625, 682, 242	1,712,519,991	1, 305, 168, 549	3, 100, 604, 637
9263		3, 208, 071, 197	595, 052 ³	662, 705, 332	1,741,128,711	1,427,649,292	3, 257, 214, 876
9273		3, 454, 825, 529		721, 471, 634	1, 894, 027, 188	1,597,887,676	3, 582, 345, 302
9283		3,804,062,566	631, 4293	777, 291, 217	2,029,670,813	1,755,386,937	3, 883, 446, 116
9293		4,004,892,009	666, 5313		1, 664, 787, 763	1,522,737,125	3, 280, 236, 603
9303		4, 041, 030, 475	614, 6963	697, 555, 378	1, 221, 911, 982	1, 252, 017, 248	2, 555, 126, 44
931		3,705,701,893	528,640	587, 566, 990		955, 960, 724	1,980,471,54
932		3, 380, 475, 509	468, 833	473, 601, 716	954, 381, 097	919, 671, 181	1,954,075,78
933		3, 279, 259, 838	468,658	436, 247, 824	967, 788, 928	1, 087, 301, 742	2, 393, 692, 72
934		3, 249, 348, 864	519,812	503, 851, 055	1, 229, 513, 621		2, 653, 911, 20
935		3, 216, 403, 127	556, 664	559, 467, 777	1, 419, 146, 217	1, 153, 485, 104	
936	24, 202	3, 271, 263, 531	594, 359	612, 071, 434	1,624,213,996	1, 289, 592, 672	3,002,403,81
937	24,834	3, 465, 227, 831	660, 451	721, 727, 037	2,006,926,787	1,508,924,867	3,625,459,50
938	25, 200	3, 485, 683, 018	642, 016	705, 668, 589	1,807,478,028	1,428,286,778	3, 337, 681, 36
939	24, 805	3,647,024,449	658, 114	737, 811, 153	1,836,159,375	1,531,051,901	3, 474, 783, 52
940	25, 513	4, 095, 716, 836	762, 244	920, 872, 865	2, 449, 721, 903	1,942,471,238	4, 529, 173, 31
941	26, 293	4,905,503,966	961, 178	1, 264, 862, 643	3, 296, 547, 019	2, 605, 119, 788	6, 076, 308, 12
942	27,862	5, 488, 785, 545	1, 152, 091	1,682,804,842	4, 037, 102, 725	3, 309, 973, 758	7, 553, 794, 97
943	27,652	6, 317, 166, 727	1, 241, 068	1,987,292,384	4,690,493,083	3, 816, 413, 541	8,732,860,99
944	28, 483	Not collected	1, 222, 882	2,029,621,370	4, 832, 333, 356	4, 015, 776, 010	9,073,692,51
945	29,050	4.6	1,119,372	1,845,773,449	4, 473, 668, 847	3, 564, 315, 899	8, 250, 368, 86
946	31, 249	44	1, 058, 156	1,740,687,254	4, 358, 234, 766	3,467,004,980	8, 035, 692, 47
947	32,734	66	1, 131, 750	2,085,925,966	5, 534, 280, 019	4, 292, 055, 802	10,081,026,58
948	33,420	44	1, 155, 721	2, 409, 368, 190	6,632,881,628	4,938,786,981	11,875,169,68
9494	35,792	44	1, 171, 207	2,591,890,657	6, 843, 231, 064	5, 330, 566, 434	12, 479, 593, 30
9504	35, 942	**	1, 183, 297	2,771,267,435	7, 538, 534, 532	5, 942, 058, 229	13,817,526,38
9514	37,021	60	1, 258, 375	3, 276, 280, 917	9,074,526,353	6,940,946,783	16, 392, 187, 13
9524	37,929	**	1, 288, 382	3,637,620,160	9, 146, 172, 494	7, 443, 533, 199	16, 982, 687, 03
9534		46	1, 327, 451	3, 957, 018, 348	9,380,558,682	7, 993, 069, 351	17, 785, 416, 85
9544		**	1, 267, 966	3, 896, 687, 691	9, 241, 857, 554	7, 902, 124, 13756	17, 554, 527, 50
.9554		**	1, 298, 461	4, 142, 409, 534	10, 338, 202, 165	8, 753, 450, 496	19, 513, 933, 81
19564		46	1, 353, 020	4, 570, 692, 190	11, 721, 536, 889	9,605,424,579	21, 636, 748, 98
9574	E .	**	1, 359, 061	4,819,627,999	11, 900, 751, 703	9,822,084,726	22, 183, 594, 31
19584		66	1, 289, 602	4, 802, 496, 260	11,821,567,471	9, 792, 505, 931	22, 163, 186, 30
19594			1, 303, 956	5, 073, 073, 706	12, 552, 200, 543	10, 320, 962, 8817	23, 311, 601, 48

¹ For 1924-51, inclusive, the "Value added by manufacture" is computed by subtracting the cost of fuel, electricity and materials from the gross value of products. For 1952 and 1953 the deduction is made from "Value of factory shipments" and in 1954 and subsequent years from the calculated value of production. Figures prior to 1924 are not comparable since statistics for cost of electricity are not available. (See text p. 9).

¹ In 1952 and subsequent years the basis of collection is "Value of factory shipments" instead of "Gross value of products".

³ A change in the method of computing the number of wage-earners in the years, 1925 to 1930, inclusive, increased the number somewhat over that which the method of therwise used would have given. In 1931, however, the method in force prior to 1925 was readopted.

⁴ Newfoundland is included for 1949 and subsequent years, however, figures for the fish processing industry, 1949 and 1950, are not available for this province and therefore, not included.

³ There were three major changes in concept affecting the data for the Primary Iron and Steel Industry in 1954. The first one involved a change in the method of counting establishments; the second concerned a change in valuing shipments of wire rods transferred to makers' own processing plants; while the third concerned the method of calculating "Value added by manufacture". Figures for 1954 and subsequent years are therefore not comparable with previous years. See footnotes to Table 2 of the 1954 report on the Primary Iron and Steel Industry.

¹ In 1954 there was a change in procedure of reporting the value of products in the Petroleum products industry. This increased the value of products by approximately \$139,000,000.

¹ In 1959 the method of valuation in the petroleum products industry was changed again. It is estimated that if the 1958 basis had been used, the 1959 total production would have been \$268,000,000 higher.

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-59

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-59										
Province and year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹			
	No.	\$	No.		dol	lars				
Newfoundland:	793	Not collected	6,934	15 406 226	21 222 172	20 010 776	07 064 000			
1950 1951 ²	850	## ##	6,682	15, 486, 336 16, 246, 252	31, 228, 173 31, 505, 623	32, 918, 776 36, 712, 377	67, 264, 282 71, 062, 850			
1953	939	8.0	9,622 10,575	22, 681, 246 26, 604, 908	43, 117, 299 44, 972, 021	53,690,187 57,784,697	100,642,613 106,524,603			
1954	790 785	6 E	9,892 10,361	27, 601, 186 28, 604, 468	46,503,032 49,914,856	59,483,922 60,586,922	109, 567, 770 115, 579, 036			
1957 1958	916 768	44	10,473 9,604	32, 783, 715	53, 995, 122	56,543,792	117, 713, 795			
1959	797	44	9,620	29, 233, 569 30, 481, 291	52, 156, 291 54, 001, 782	58, 044, 514 57, 754, 510	116,979,200 119,007,053			
Prince Edward Island:										
1917	411	2,008,082	1,556	663, 251	3,087,621	1,750,135	4,837,756			
1920 1929 ³	263	2,328,686 2,646,354	1,287 2,074	855, 210 727, 286	4, 164, 223 2, 862, 725	2, 135, 857 1, 466, 446	6,300,080 4,408,608			
1933	249 222	2, 256, 307 2, 682, 900	991	529,684 617,945	1,590,834 2,239,117	1,126,826	2,775,787 3,543,681			
1944 1949	241 251	Not collected	1,786	1,694,763 2,133,555	6,993,510 13,537,144	3,570,835	10,713,644			
1953	216	e é	1,747 1,809	3,095,845	16, 963, 798	4,338,320 5,878,761	18, 123, 200 23, 198, 970			
1954 1957		86	1,774 1,663	3,000,211 3,278,822	17,001,551 18,315,249	6,044,749 6,579,507	23, 469, 743 24, 952, 853			
1958 1959	179 178	64	1,632 1,769	3,389,985 3,856,186	19, 203, 457	7, 266, 497 7, 391, 294	26,887,728 27,670,896			
1000	1,0		1, 100	5,000,100	10,011,002	1,001,201	21,010,000			
Nova Scotia:	1 227	124 257 951	25 252	10 020 051	102 415 216	57 565 702	150 000 010			
1917 1920	1,337 1,345	124,357,851 135,679,188	25, 252 23, 425	18,838,051 25,625,089	102, 415, 215 85, 724, 785	57, 565, 703 61, 371, 243	159, 980, 918 147, 096, 028			
1929 ³	1,094 1,277	118,951,398 92,004,624	19,986 12,211	16,905,885 9,604,680	50,725,562 25,354,319	35, 676, 421 19, 988, 257	89, 787, 548 47, 912, 432			
1939	1,083 1,281	101,954,082	17,627	16,651,685	43,332,195 103,463,123	35,885,563	83, 139, 572			
1944 1949	1,480	Not collected	37, 812 29, 311	59, 940, 411 54, 686, 577	135, 841, 899	93, 376, 638 102, 294, 298	204, 421, 664 247, 592, 389			
1953	1,591 1,526	64	32,040 29,611	76, 390, 755	180,543,535	127, 917, 165	320,012,264			
1957	1,356	44	31, 530 29, 010	71, 740, 240 90, 634, 615 86, 005, 553	161, 294, 873 238, 286, 745 217, 263, 603	129,777,850 175,682,924 176,997,949	300,072,733 427,299,045 411,929,247			
1958	1,297 1,314	4.6	28, 168	87,694,029	223, 016, 082	161, 451, 957	398, 663, 678			
New Brunswick:										
1917	943 901	60,300,907	19,710	12,893,014	32, 380, 621	27,027,725 45,803,164 26,640,786	59,408,346 106,615,805			
1920 1929³ 1933	803	101, 216, 395 91, 376, 948	19,007 17,952	19, 266, 821 15, 127, 716	60,812,641 39,800,366	26, 640, 786 18, 166, 713	68, 145, 012 41, 345, 622			
1939		90, 148, 317	11,336	9,308,100	20,442,421	27,041,195	66.058.151			
1944 1949	937	Not collected	23, 164 23, 446	32, 345, 080 44, 219, 819	83, 993, 599 131, 804, 253	62, 258, 478 91, 187, 375	152, 106, 577 231, 506, 191			
1953	1,094	4.6	24, 471	59,753,045	163,797,711	120,617,345	295, 750, 419			
1954	1,057 981	88	22, 107 20, 985	55, 109, 428 60, 485, 307	157, 215, 921 174, 741, 863 170, 560, 975	118,015,815 123,547,460	287, 350, 600 311, 795, 501			
1958 1959	939 915	44	20,744 20,927	60, 485, 307 61, 077, 171 63, 872, 872	170,560,975 178,064,623	130,668,021 133,935,278	312,021,817 325,478,717			
Oughou										
Quebec: 1917	7,032	662,012,975	188,043	141,008,616	385, 212, 984	380, 882, 409	766,095,393			
1920 1929³	7,530	878,859,638 1,246,208,650	183,748 206,580	202, 516, 550 225, 226, 808	553, 558, 520 537, 270, 055	499,643,217 537,796,395 288,504,782	1,053,201,737 1,108,592,775			
1933	7,856	1,035,339,591	157, 481	134,696,386	292, 560, 568		604,496,078			
1939 1944	8,373 9,656	1, 182, 538, 441 Not collected	220,321 424,115	223,757,767 668,156,053	536,823,039 1,494,253,053		1,045,757,585 2,929,685,183			
1949 1953	11,579 12,132	88	390, 275 441, 555	809, 579, 270 1, 225, 573, 314	2,027,793,643 2,816,373,112	1,651,629,668	3,788,497,123 5,386,784,863			
1954	12, 191	6.6	424,095	1.214.661.400	2.806.248.363					
1957 1958	12,250 11,828	64	449,383 429,358	1,477,828,336 1,476,605,908	3,570,908,799 3,597,784,845 3,749,731,529	2,448,027,538 2,947,897,608 2,970,774,755 2,998,776,012	5, 395, 786, 644 6, 679, 595, 056 6, 754, 798, 278			
1959	11,584	44	431, 237	1,546,932,670	3,749,731,529	2,998,776,012	6,916,199,594			
Ontario:							4 450 500 500			
1917 1920	9,061 9,113	1, 157, 850, 643	299,389 295,674	258, 393, 065 362, 941, 317	794, 556, 502 1, 071, 843, 374	662,174,261 792,267,562 916,971,816	1,456,730,763 1,864,110,936			
1929 ³ 1933	9,348	1,986,736,556	328, 533 224, 816	406, 622, 627 220, 530, 088	1,071,843,374 1,056,530,202 464,544,563	916, 971, 816 465, 103, 842	2,020,492,433 958,776,858			
1933	9,542	1,587,947,947	318, 871	378, 376, 209 975, 038, 060	907,011,461	791, 428, 569	1,745,674,707			
1944 1949	10,731	Not collected	564,392 557,190	1,305,544,434	2, 310, 347, 858 3, 256, 454, 918	1,930,043,913 2,708,554,013	4,339,797,784 6,103,804,834			
1953	13, 114	8.6	634, 554	2,017,982,218	4,560,134,562	4,130,126,462	8,876,504,990			

See footnotes at end of table.

TABLE 2. Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-59 - Concluded

Province and year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹	
	No.	\$	No.		dollars			
Ontario — Concluded; 1954 1957 1958 1959	13, 178 13, 580 13, 276 13, 081	Not collected	598,914 644,245 606,362 615,746	1,954,767,388 2,430,676,464 2,412,654,652 2,564,684,234	4,412,536,948 5,827,317,500 5,704,319,497 6,190,618,182	3,930,730,030 5,047,710,789 4,914,073,665 5,332,081,500	8,533,167,214 11,078,592,683 10,864,028,332 11,668,460,562	
Manitoba: 1917 1920 1923 1933 1933 1944 1949 1953 1953 1954 1957 1958	732 747 861 1,010 1,087 1,290 1,520 1,540 1,522 1,590 1,634 1,607	82,566,858 94,424,145 121,363,898 100,074,404 119,659,365 Not collected	18,939 23,728 24,012 18,871 23,910 40,937 41,956 43,740 41,224 43,884 42,382 43,145	16,513,423 32,372,081 31,224,596 18,687,430 28,444,798 62,758,081 86,088,380 121,126,279 116,454,886 140,200,256 142,859,485 153,998,025	69,715,149 92,729,271 87,832,324 44,579,998 82,408,293 226,234,925 299,101,498 345,403,115 328,827,609 379,799,214 397,453,172 422,094,615	42,280,801 62,776,912 63,925,015 37,390,275 48,810,544 120,339,926 167,335,495 229,797,439 232,487,743 233,162,757 284,387,257 284,387,257	111, 995, 950 155, 506, 183 155, 266, 294 83, 934, 777 134, 293, 595 352, 334, 594 474, 681, 912 584, 872, 459 571, 408, 772 664, 529, 736 694, 051, 323 743, 509, 352	
Saskatchewan: 1917 1920 1929³ 1933 1939 1944 1949 1953 1955 1957 1957 1958 1959	844 970	24, 372, 585 24, 640, 520 43, 925, 797 38, 688, 433 37, 654, 095 Not collected	6,230 6,709 7,025 4,782 6,475 12,361 10,841 11,604 11,526 12,012 12,283 12,539	5,403,332 9,571,175 9,105,597 4,848,763 7,346,127 17,703,103 22,273,942 32,395,518 33,509,833 40,875,349 43,228,392 47,033,816	22,040,674 34,894,105 51,003,566 19,124,030 38,782,135 131,215,017 164,349,341 180,303,942 169,326,001 189,106,737 198,833,974 213,376,697	13, 894, 179 22, 610, 861 23, 002, 952 11, 478, 634 20, 283, 273 40, 833, 333 47, 356, 949 79, 941, 332 104, 560, 398 109, 598, 807 123, 394, 168 125, 877, 439	35,934,853 57,504,966 75,368,605 31,559,387 60,650,589 175,349,234 215,742,708 266,613,086 280,733,784 306,115,112 331,298,441 347,320,321	
Alberta: 1917 1920 1929 1933 1933 1939 1944 1949 1953 1954 1957 1958 1959	736 874 961 1,165 1,685 2,072 	49,146,241 48,310,655 81,875,952 69,604,563 73,284,225 Not collected	9,461 10,955 12,216 9,753 12,712 22,186 26,425 33,082 32,765 39,089 37,860 39,522	33, 227, 729 55, 115, 554 92, 605, 153 96, 909, 889 137, 077, 438 140, 135, 179	495,311,847	29, 812, 891 36, 824, 969 18, 876, 929 32, 618, 153 77, 415, 753 114, 681, 296 199, 660, 428 219, 327, 509 312, 037, 090 339, 439, 455	66,515,885 85,952,537 100,966,196 49,389,51 87,474,080 252,949,894 371,995,120 555,814,827 575,277,702 784,480,512 848,251,994 887,316,797	
British Columbia: 19174 19204 19294 19334 19339 1944 1949 1955 1955 1956 1957	1,306 1,569 1,552 1,710 2,116 3,493 4,317 4,462 4,250 4,072	66	48, 153 28, 417	49,135,005 57,764,968 28,469,225 178,639,118 196,403,722 1300,921,318 7 319,802,914 405,129,932 2 406,628,203	125, 405, 084 141, 145, 833 70, 166, 220 136, 655, 873 303, 560, 016 231, 112, 322 3724, 495, 754 4794, 885, 366 985, 519, 123 965, 939, 623	104,851,641 113,082,137 59,034,923 2 103,263,292 337,137,197 409,665,344 615,686,215 651,812,950 767,914,301 786,620,211	230, 256, 725 260, 418, 645 133, 879, 330 247, 948, 600 655, 844, 689 959, 008, 088 1, 366, 823, 690 1, 474, 156, 242 1, 785, 298, 750 1, 785, 960, 459	
Yukon and Northwest Territories: 1939 1944 1949 1953 1954 1957 1958 1959	. 12 . 18 . 30 . 31 . 22	Not collected		7 118,973 8 359,063 7 569,993 1 630,314 6 657,765 5 678,15	2 189,71 643,80 5 1,349,97 6 1,492,89 1,627,31 2,740,18	280,803 604,896 1,012,003 8 1,855,63 1 1,409,69 859,15	489,256 1,377,453 2,516,683 3,536,300 1,3,221,268 4,3,979,489	

¹ In 1952 and subsequent years the basis of collection is "Selling value of factory shipments" instead of "Gross value of products".

² Includes for the first time the fish processing industry.

³ A change in method of computing the number of wage-earners in the years 1925 to 1930 inclusive, increased the number somewhat over that which the method otherwise used would have given, In 1931 the method in force prior to 1925 was re-adopted.

⁴ Includes Yukon and Northwest Territories.

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-59

TABLE 3, Summary S			,, 21144541			
Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	nun	nber		dol	lars	
Foods and beverages: 1945 1946 1947 1948 1949 1953 1953 1957 1958 1959	8,872 8,862 8,869 8,686 8,558 8,129 8,090 8,536 8,417 8,165	156,396 160,821 167,865 168,893 170,024 176,649 177,883 192,177 190,445 192,092	224, 908, 882 241, 769, 865 276, 245, 015 311, 235, 818 332, 536, 319 455, 280, 552 477, 058, 728 590, 025, 115 623, 289, 596 662, 539, 156	1,336,820,028 1,408,818,069 1,656,529,086 2,034,844,290 2,009,246,062 2,296,739,737 2,334,166,626 2,704,377,446 2,939,312,503 2,967,680,288	558, 247, 045 604, 120, 647 695, 092, 932 766, 434, 971 834, 017, 547 1, 146, 473, 720 1, 181, 648, 171 1, 437, 422, 949 1, 536, 379, 118 1, 613, 441, 033	1,921,774,601 2,040,708,650 2,383,975,675 2,883,531,142 2,882,581,753 3,491,961,511 3,562,546,744 4,171,971,292 4,528,889,289 4,673,889,281
Tobacco and tobacco products:						
1945	86 95 91 79 72 55 53 49 40	12,164 10,849 10,880 10,459 10,686 9,494 9,469 9,905 10,319 10,287	15, 738, 041 14, 410, 558 16, 234, 772 19, 550, 563 21, 896, 378 26, 765, 643 27, 868, 939 33, 322, 821 37, 143, 602 38, 078, 218	79,176,519 79,255,405 97,121,002 95,851,271 113,357,196 138,491,048 144,960,769 160,710,422 206,043,534 212,770,678	42, 985, 992 39, 981, 625 49, 221, 094 57, 666, 963 58, 529, 226 75, 015, 218 79, 439, 243 88, 283, 832 98, 917, 748 111, 694, 215	122, 543, 932 119, 634, 216 146, 793, 011 153, 993, 442 172, 420, 213 214, 145, 491 225, 340, 976 249, 734, 356 305, 138, 636 324, 563, 661
Rubber products: 1945. 1946. 1947. 1948. 1949. 1953. 1954. 1957. 1958. 1959.	55 60 60 56 62 72 73 88 89 89	28, 490 22, 055 23, 475 21, 703 20, 729 22, 600 20, 894 22, 178 19, 943 21, 093	39, 111, 477 37, 813, 363 46, 613, 893 48, 273, 015 48, 172, 205 70, 994, 643 67, 476, 405 83, 189, 580 76, 445, 003 86, 859, 037	78,500,892 62,135,578 82,934,625 84,223,731 73,895,718 114,336,694 106,501,858 144,246,768 128,572,616 160,396,526	98, 836, 225 93, 451, 248 110, 673, 007 106, 999, 669 101, 705, 513 172, 674, 055 149, 073, 979 176, 456, 204 174, 628, 149 188, 179, 495	181, 413, 226 159, 408, 113 196, 307, 734 194, 111, 934 178, 503, 559 264, 184, 787 226, 091, 308 308, 383, 196 347, 680, 280
Leather products: 1945	706 776 792 757 747 695 673 624 598 586	34, 123 37, 290 35, 724 34, 291 34, 900 33, 068 30, 748 31, 099 30, 151 31, 012	43, 268, 635 49, 712, 628 52, 628, 612 55, 122, 863 59, 699, 886 70, 965, 495 67, 161, 757 77, 768, 483 78, 683, 799 82, 735, 223	95,006,015 108,702,945 123,894,474 114,819,233 117,869,462 116,416,179 101,250,853 122,529,541 124,663,736 143,765,770	71, 297, 713 82, 319, 495 86, 646, 061 86, 947, 703 91, 157, 684 103, 937, 262 102, 339, 751 116, 139, 080 119, 088, 395 129, 812, 337	167, 888, 463 192, 749, 456 212, 430, 165 203, 758, 501 210, 804, 174 222, 410, 182 206, 512, 812 238, 789, 101 246, 826, 765 271, 175, 005
Textile products (except clothing): 1945	664 720 747 722 847 959 975 929 903 879	66,011 67,366 73,979 75,816 77,773 73,190 64,581 68,512 63,579	88, 372, 939 95, 637, 733 116, 228, 736 141, 002, 245 156, 166, 554 184, 604, 616 170, 196, 140 201, 578, 812 193, 327, 948 202, 903, 500	217, 289, 281 215, 853, 616 289, 986, 732 331, 943, 622 339, 644, 950 388, 324, 584 350, 113, 694 412, 433, 901 394, 621, 103 429, 640, 871	165, 689, 522 178, 852, 730 215, 170, 493 261, 774, 544 285, 641, 367 299, 231, 284 275, 492, 879 330, 984, 539 322, 533, 105 363, 536, 279	391, 182, 025 402, 966, 184 514, 844, 838 604, 946, 333 636, 824, 130 700, 690, 265 640, 870, 047 747, 366, 541 738, 690, 714 802, 517, 086
Clothing (textile and fur): 1945	2,676 2,988 3,121 3,100 3,058 3,082 3,030 2,860 2,781 2,678	99, 959 105, 868 110, 329 115, 105 117, 752 120, 071 111, 315 112, 775 108, 676 108, 670	131,478,496 146,265,152 166,951,727 191,866,371 206,512,782 254,425,960 239,072,710 269,175,810 267,802,054 279,700,236	251,899,847 285,568,957 311,018,817 361,216,438 371,128,833 439,262,654 410,078,242 487,188,490 477,854,084 499,790,560	222, 307, 384 263, 018, 398 300, 527, 093 345, 028, 807 352, 741, 236 414, 503, 222 383, 538, 744 436, 761, 970 439, 032, 452 457, 972, 828	476, 754, 319 551, 331, 576 614, 594, 703 709, 688, 704 727, 498, 836 857, 981, 013 801, 533, 118 921, 790, 234 921, 886, 034 955, 085, 617
Wood products: 1945	7,656 8,846 9,744 10,495 11,191	93,209 105,472 120,434 124,306 121,632	119,833,932 142,338,538 186,467,946 214,741,924 224,902,644	428, 913, 571	208, 979, 657 256, 436, 946 365, 050, 223 401, 401, 795 393, 928, 758	454, 447, 165 560, 341, 251 771, 403, 332 839, 045, 068 840, 355, 634

See footnote at end of table.

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-59 - Continued

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	nents	hos		doll		
	num	ibei	1	401		
/ood products — Concluded:	12,462	134 310	325,619,252	649, 731, 056	577, 381, 926	1, 242, 014, 81
1954	12, 165	134,310 128,931	323, 122, 214	623, 756, 753	566, 186, 899	1, 205, 959, 90 1, 335, 170, 86
1057	12, 165 10, 796 9, 848	126, 839 120, 922	368, 660, 168 369, 581, 549	730, 076, 145 717, 462, 536	585,783,470 605,677,512	1,343,593,57
1958	9, 808	123, 791	387, 861, 727	761, 353, 905	644, 855, 992	1, 425, 135, 79
Paper products:	475	60 810	100 627 174	255 265 326	241, 121, 150	536, 859, 86
1945	486	60,819 67,442 73,445 75,980	109, 627, 174 134, 320, 546	255, 265, 326 313, 410, 656	333, 819, 710	695, 085, 53
1047	502 522	73,445	168, 632, 394 197, 397, 810	410, 456, 570 485, 237, 427	443,374,435 509,993,037	911, 238, 81 1, 061, 359, 80 1, 093, 060, 32
1948 1949	524	76,471	208, 348, 621	485, 237, 427 494, 300, 501	532, 288, 636	1,093,060,32
1953	555	84, 436	310, 107, 707	717, 460, 043	767, 273, 583 802, 280, 157 877, 985, 557 910, 693, 148	1,568,250,52 1,630,162,60 1,865,719,18 1,889,460,39
1954 1957	569 582	87,370 94,283	331, 556, 026 403, 286, 291 409, 578, 235	742, 032, 309 883, 394, 993	877, 985, 557	1,865,719,18
1958	562	92, 935	409, 578, 235	883, 156, 058 935, 329, 113	910,693,148 980,578,397	1,889,460,39
1959	559	94, 231	430, 364, 506	935, 329, 113	900, 510, 591	2, 021, 255, 10
Printing, publishing and allied trades:						
1945	2,312 2,404 2,458	43,565	74, 257, 775 86, 433, 880 101, 611, 652 119, 087, 977 141, 489, 984	52,655,848 65,501,698 82,585,466 96,384,499	132,385,988 154,951,731 178,667,051 208,208,175	186, 945, 13 222, 548, 63 263, 632, 15
1946 1947	2, 404	48, 950 52, 096	101.611.652	82,585,466	178, 667, 051	263, 632, 15
1948	2, 496	54,541	119, 087, 977	96,384,499 124,684,351	208, 208, 175 250, 162, 704	307, 345, 91 377, 908, 18
1949²		61,834	205, 626, 554	175, 222, 037	364, 363, 975	543,752,37
1953	4, 157 4, 227	68, 614	220, 275, 989	188, 725, 630	384, 791, 305	577, 355, 29
1954	4,584	74,559	274, 454, 964 287, 971, 245	245, 024, 240 248, 244, 058	481, 737, 438 509, 064, 570	731, 199, 82 762, 103, 36
1958 1959	4, 400	72, 221 73, 926	308, 264, 193	267, 305, 034	552, 887, 917	823,631,66
ron and steel products: 1945	1, 903	169, 278	313,966,173	395,624,098	527,473,688	952, 482, 15
1046	2,086	151, 373 162, 399	279, 567, 770 334, 044, 246	337, 981, 814 451, 289, 335	461, 501, 765 580, 342, 444	824, 766, 01 1, 064, 654, 41
1947 1948	2, 200 2, 263	170,071	400, 878, 271 413, 227, 553	570, 290, 989	709, 347, 226	1, 320, 527, 40 1, 419, 145, 72
1949	2,347	163,622		619, 499, 256	760, 934, 249	
1953 1954	2,698 2,801	188, 236	643, 474, 127	906, 165, 239	1, 140, 931, 549	2,098,551,0
1957	3,073	173,698 198,555	605,526,529 807,092,900 757,173,234	1,386,920,624	1,085,231,674 1,476,346,128	2, 912, 148, 0
1958 1959	3,254 3,246	179, 440 192, 969	757, 173, 234 861, 445, 687	829, 237, 679 1, 386, 920, 624 1, 270, 710, 220 1, 486, 321, 858	1,364,093,479 1,567,673,258	2, 912, 148, 0° 2, 705, 682, 7° 3, 077, 628, 2°
Transportation equipment:	504	154, 844 100, 745	326,748,794	498, 241, 686 301, 206, 839	523, 910, 119 279, 333, 127	1,034,666,9
1946	539	100, 745	326,748,794 200,097,765 230,898,680 255,504,526 270,852,111	301, 206, 839	279, 333, 127 366, 151, 761	590, 128, 3 803, 611, 3
1947 1948		104, 348 101, 816 104, 750	255, 504, 526	426, 573, 091 509, 910, 825	419, 133, 597	941, 483, 9
1949	596			584, 064, 330	466,529,164	1,063,211,3
1953 1954	621 602	156, 059 133, 432	555, 411, 152 479, 079, 750	1, 110, 953, 581 986, 721, 281	961, 205, 155 701, 600, 725	2,089,937,6 1,713,962,9
1957	623	144,639	591, 461, 381	1, 288, 242, 648	956, 075, 551	2,269,202,9 2,075,907,7
1958 1959	626 645	125, 976 113, 606	553, 425, 532 531, 587, 587	1, 153, 569, 387 1, 120, 282, 587	956, 075, 551 883, 507, 106 910, 947, 333	2,075,907,7
Ton-ferrous metal products:						
1945	436	44, 221	81, 889, 942	337,872,041	180,653,076	548, 853, 0
1946	474	40, 855	75,855,699 91,046,568	311, 082, 975 434, 517, 197	148, 492, 336 201, 162, 856	484,618,4
1947 1948	503 503	43, 344	108,778,616	556, 238, 618	248, 225, 806	668, 074, 5 844, 598, 1
1949	532	44,698	114,591,106	537, 218, 214	289, 125, 045	867, 043, 0
1953	551	52, 058 50, 494 54, 581 51, 301	178, 710, 057	726, 128, 115 717, 966, 073	458, 180, 471 486, 933, 852	1,242,010,9
1954	573 592	54, 581	182, 191, 321 228, 268, 388	1,014,145,515	603, 099, 206	1,683,382,4
1958 1959	593	51,301 52,025	226, 614, 472 236, 727, 972	930, 931, 154 1, 076, 051, 004	534,066,580 600,870,837	1,531,197,0 1,740,453,0
Electrical apparatus and supplies:	247	44, 129	76, 468, 795	92,041,030	135, 919, 899	230, 531, 8
1946	266	43, 998	76, 468, 795 74, 510, 479	101, 939, 272	129, 968, 926	234, 572, 6 366, 506, 2
1947 1948	296 314	52, 736 53, 873	103, 891, 016 122, 113, 644	162, 131, 266 180, 344, 829	200, 859, 040 241, 333, 960	425,725,2
1949			137, 278, 521	212, 460, 413	269, 341, 983	486, 286, 3
1953	422	76,856	250,646,777	383,743,994	457, 489, 516 462, 960, 141 568, 587, 265 523, 826, 941	848, 190, 2
1954		81.432	258, 509, 601 320, 416, 647 316, 357, 773 316, 857, 086	396,583,427 498,242,643 473,902,660 501,799,678	568, 587, 265	848, 190, 2 863, 942, 1 1, 078, 212, 9
1958		74, 944	040 000 000	472 002 660	E99 996 041	1,015,416,7

See footnotes at end of table.

TABLE 3. Summary Statistics of Manufactures, by Industrial Groups, 1945-59 - Concluded

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products ¹
	nur	nber		doll	ars	
Non-metallic mineral products:				I	1	Į.
1945 1946 1947 1948 1949	833 863 934 1,020	20, 269 24, 387 26, 443 27, 278 28, 139 34, 352	32,959,877 39,651,286 50,456,143 58,816,381 64,594,354 107,275,074	41, 488, 955 49, 957, 966 66, 266, 546 72, 577, 633 78, 401, 065	76, 318, 456 94, 591, 439 115, 277, 990 134, 897, 744 143, 872, 615	130, 704, 796 160, 476, 827 201, 786, 910 232, 148, 324 246, 457, 799
1954 1957 1958 1959	1, 160 1, 231	35, 329 40, 120 40, 858 43, 349	114, 849, 079 150, 313, 185 161, 811, 627 178, 653, 798	134, 118, 848 145, 120, 516 209, 981, 914 218, 683, 844 240, 923, 344	239, 815, 853 256, 951, 758 340, 621, 267 369, 872, 669 405, 956, 730	408, 909, 192 435, 208, 000 602, 164, 737 636, 696, 330 694, 237, 680
Products of petroleum and coal:						
1945 1946 1947 1948 1949	80 77 80 75 77	11, 532 12, 106 12, 769 13, 678 14, 552	22, 904, 418 24, 197, 354 28, 689, 932 34, 766, 341 39, 783, 500	188, 899, 911 190, 527, 903 257, 420, 851 369, 035, 161 391, 036, 128	65, 637, 131 79, 046, 757 84, 073, 746 97, 064, 006 117, 819, 090	270, 166, 984 286, 007, 855 361, 333, 008 491, 961, 894 533, 730, 719
1953 1954 1957 1958 1959	100 104 106 115 112	17, 112 17, 559 17, 757 17, 427 16, 775	66, 565, 434 69, 681, 725 88, 687, 774 89, 490, 506 93, 896, 376	576, 310, 641 625, 411, 385 898, 830, 429 894, 457, 513 936, 188, 338	211, 552, 953 358, 372, 309 534, 093, 249 515, 473, 433 278, 544, 412	823, 089, 340 1, 020, 911, 348 ⁴ 1, 491, 925, 837 1, 466, 409, 361 1, 268, 007, 449 ⁵
Chemicals and allied products:						
1945	986 1,031 1,046 1,026 1,037	61, 339 38, 012 39, 237 39, 548 41, 328	107, 050, 824 67, 842, 339 78, 993, 517 89, 325, 771 100, 690, 662	228, 855, 956 179, 749, 719 238, 310, 157 293, 041, 874 280, 008, 945	252, 944, 165 208, 399, 498 234, 056, 973 268, 818, 222 288, 171, 551	498, 630, 798 401, 741, 703 488, 307, 293 579, 827, 509 587, 398, 215
1953 1954 1957 1958 1959	1, 105 1, 116 1, 137 1, 143 1, 137	50, 207 51, 603 54, 708 54, 570 54, 782	164,590,810 177,311,960 222,044,489 233,819,330 243,217,726	403, 686, 331 437, 051, 091 565, 746, 391 589, 315, 994 627, 365, 792	448, 276, 576 476, 125, 328 605, 273, 621 664, 853, 235 701, 479, 999	881, 503, 845 935, 724, 880 1, 203, 411, 197 1, 293, 331, 692 1, 378, 211, 030
Miscellaneous industries:						
1945 1946 1947 1948 1949	692 706 800 814 893	24,024 20,567 22,247 22,315 26,401	37, 187, 275 30, 262, 299 36, 291, 117 40, 906, 054 51, 147, 475	83,549,139 48,617,375 44,390,608 48,007,617 59,778,187	59, 608, 689 58, 718, 602 65, 708, 603 75, 510, 756 94, 600, 066	144, 523, 599 108, 607, 036 111, 532, 447 125, 116, 374 156, 363, 321
1953 1954 1957 1958 1959	1,350 1,360 1,579 1,599 1,563	32, 223 31, 071 34, 942 36, 002 37, 886	85, 954, 495 85, 748, 818 109, 881, 191 119, 980, 755 131, 381, 678	103, 467, 901 102, 179, 368 148, 659, 593 170, 066, 471 185, 235, 197	154, 763, 033 149, 157, 222 206, 433, 400 220, 598, 291 246, 238, 538	261, 282, 891 252, 306, 085 355, 013, 423 393, 572, 590 432, 428, 521

¹ In 1952 the basis of collection was changed from "Value of products made" to "Selling value of factory shipments".
² Increase is due to the inclusion for the first time of establishments that publish periodicals without doing any printing.
³ There were three major changes in concept affecting the data for the Primary Iron and Steel Industry in 1954. The first one involved a change in the method of counting establishments; the second concerned a change in valuing shipments of wire rods transferred to makers' own processing plants; while the third concerned the method of calculating "Value added by manufacture". Figures for 1954 and subsequent years are therefore not comparable with previous years. See footnotes to Table 2 of the 1954 report on the Primary Iron and Steel Industry.
⁴ Apparent advance in the selling value of factory shipments is due in part to an actual gain in physical output, but the major factor contributing to this increase was a change in accounting procedure by some firms of the petroleum products industry in calculating value of factory shipments. This increased the value by approximately \$139,000,000 over what the value would have been by the former method.
⁵ See footnote 7, Table 1.

Significant Changes in Manufacturing Production. - The figures in Table 4 trace the tendencies in Canadian manufacturing industries as clearly as possible from 1917 to 1958. In analysing statistics of production and materials used, price changes should be borne in mind, particularly the inflation of values in the years immediately following World War I, the drop in prices of commodities during the depressions following 1921 and 1930, and the increases again in the recent war and post-war period. The figure that shows most clearly the trend of development is concerned with the use of power. The total horse-power employed increased from 1,658,475 in 1917 to 12,046,697 in 1959, an advance of about 625 p.c. in 42 years. In the same period, horse-power per production employee showed an uninterrupted trend from 3.06 to 10.82 in 1933 and 9.46 in 1939. With the large increase in the number of production employees on war production, and the more efficient

utilization of the equipment available, the horse-power per production employee dropped to 6.28 in 1944; the increasing installation of power machinery and the decline in employment after the war resulted in a rise to 8.52 in 1948 and 12.27 in 1959. The significant feature is the increase in both the absolute figures of power employed and the averages per production employee during the depression years as compared with 1929, although the large numbers of persons again finding employment since 1933 reduced the averages for the years 1934 to 1937 and again for 1940 to 1945. Other interesting comparisons are the trend of value added by manufacture, per employee, and of average earnings since 1929. Between 1949 to 1959 the value of purchased fuel and electricity increased by 86.0 per cent; for full details of fuel and electricity used by the manufacturing industries see Tables 56 and 57.

TABLE 4. Significant Statistics of Manufactures for Significant Years 1917-59

Item	1917	1920	19291	1933
Establishments	21, 845	22,532	22, 216	23,780
Totals employees "	606,523 27.8	598, 893 26, 6	666,531 30.0	468, 658 19. 7
Averages, per establishment	497, 801, 844 22, 788 821	717,493,876 31,843 1,198	777, 291, 217 34, 988 1, 166	436, 247, 824 18, 345 931
Administrative and office employees	64,918	78, 334 3. 5	88,841 4.0	86, 636 3, 6
Averages, per establishment Earnings \$	85, 353, 667 1, 315	141, 837, 361	175, 553, 710 1, 976	139, 317, 946 1, 608
Production workers No.	541,605 24,8	520, 559 23, 1	577, 690 26, 0	382,022 16,1
Averages, per establishment	412, 448, 177	575, 656, 515 1, 106	601, 737, 507	296, 929, 878 777
Averages per employee \$ Cost of materials \$ Averages per establishment \$	1,539,678,811 70,482	2, 085, 271, 649 92, 547 3, 482	2,029,670,813 91,361 3,045	967, 788, 928 40, 698 2, 065
Averages, per employee \$ Values added by manufactures ² \$ Averages per establishment ² \$	2,539 1,281,131,980 58,646	1,621,273,348 71,954 2,707	1,755,386,937 79,015 2,634	919, 671, 181 38, 674 1, 962
Averages, per employee ² \$ Gross value of products \$ Averages, per establishment \$	2, 112 2, 820, 810, 791 129, 128 4, 651	3,706,544,997 164,501 6,189	3,883,446,116 174,804 5,286	1,954,075,785 82,173 4,170
Averages, per employee \$ Power employed hp. Averages, per establishment (1)	1,658,475 76 3.06	2,068,875 92 3,97	3, 855, 648 174 6, 67	4,135,008 174 10,82
Averages, per production worker	1939	1944	1949	1959
No.	24, 805	28,483	35,792	36, 193
Establishments No. Totals, employees	658,114	1,222,882	1,171,207 32,7	1,303,956 36.0
Averages, per establishment Total earnings Averages, per establishment \$	737, 811, 153 29, 744 1, 121	2,029,621,370 71,257 1,660	2,591,890,657 72,415 2,213	5,073,073,706 140,167 3,891
Averages, per employee	124,772	192, 558 6, 8	221,551 6,2	306, 049 8. 5
Averages, per establishment	217, 839, 334	418, 065, 594 2, 171	628, 427, 937 2, 836	1,529,617,999 4,998
Averages, per employee	1,746 533,342 21.5	1,030,324	949,656 26,5	997, 90° 27.
Averages, per establishment \$	519, 971, 819	1,611,555,776 1,564	1,963,462,720 2,068	3, 543, 455, 70° 3, 55
Averages, per employee \$ Cost of materials \$ Averages, per establishment \$	975 1,836,159,375 74,024	4,832,333,356 169,657 3,952	6,843,231,064 191,194 5,843	12,552,200,54 346,81 9,62
Averages, per employee	2,790 1,531,051,901 61,724 2,326	4,015,776,010 140,989 3,284	5, 330, 566, 434 148, 932 4, 551	10,320,962,88 285,16 7,91
Gross value of products	3,474,783,528 140,084 5,280	9, 073, 692, 519 318, 565 7, 420	12, 479, 593, 300 348, 670	23,311,601,48 644,09 17,87
Averages, per employee	5,045,287 203 9,46	6,468,439 227 6,28	3 3	12,046,69 32 12,2

¹ A change in the method of computing the number of production workers in the years 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. There was, therefore, a proportionate reduction in the averages for 1925-30 per employee as compared with what these averages would have been under the other method. In 1931, however, the method in force prior to 1925 was re-adopted. The figures for 1931 and for later years are therefore comparable with those for 1924 and earlier years.

² See footnote 1, Table 1.

³ Collected only every five years.

⁴ See footnote 2, Table 1.

⁵ These figures are for 1958.

Recent Changes in Manufacturing Production. - Table 5 shows the changes in the nature of manufacturing production since the end of World War II with regard to numbers employed, the salaries and wages paid, and the gross value of products. Owing to price declines during depressions and rises during periods of prosperity, the values of both wages and products are naturally affected more than the number of employees. Furthermore, during periods of curtailed production there is a tendency for production workers to be put on part time, while the number of office employees responds less quickly to reduction in output than that of production workers. Therefore, there are several reasons why the variation in number of employees should be less than that of money values. The figures of Table 5 are to be compared with those of Tables 8 9 and 10 which show changes in volume of production. The number of employees in 1944 increased by 86 p.c. over 1939. Salaries and wages paid were 175 p.c. higher and the gross value of production 161 p.c. higher. Another significant change is the increase in the proportion of women engaged in manufacturing. Whereas in 1939, there were 281 females to every 1,000 males employed, in 1944 this figure jumped to 403.

Significant changes in the nature of manufacturing production took, place after the cessation of hostilities in 1945. Industries engaged in war production operated at a substantially lower level, while industries producing consumer goods stepped

up their production. From the point of view of employment the chemical and allied products group with a drop of 33 p.c. experienced the greatest decline in production between 1945 and 1949. Transportation equipment which includes aircraft and shipbuilding was second with a drop of 32 p.c., followed by tobacco and tobacco products with 12 p.c., rubber goods 12 p.c. and iron and steel products 3 p.c. The non-metallic mineral products group reported the greatest gain in employment with an increase of 39 p.c., followed by printing, publishing and allied trades 31 p.c., wood products 29 p.c., electrical apparatus and supplies 27 p.c., products of petroleum and coal 26 p.c., paper products 21 p.c., textiles (except clothing) 19 p.c., clothing (textile and fur) 18 p.c., foods and beverages 8 p.c., leather products 2 p.c. and non ferrous metal products 1 p.c. For manufacturing as a whole there was an increase of 4 p.c. in the number of employees with an increase of 39 p.c. in the amount of salaries and wages paid. Although there was an increase of 50 p.c. in the gross value of production, the increase in the physical volume was only 7.6 p.c. This is due to the rise in the wholesale prices of fully and partly manufactured products.

Between 1949 and 1954, for manufacturing as a whole, there was an increase of 40.6 p.c. in the gross value of production, 8.1 p.c. in employment, and 75.5 p.c. in salaries and wages paid. In terms of employment, the electrical apparatus and supplies group with an increase of 34,3 p.c. experienced the greatest expansion since 1949. Transportation equipment came second with 27.4 p.c., followed by non-metallic mineral products with 25.2, chemicals and allied products 24.9, products of petroleum and coal 20.7, miscellaneous industries 17.7, paper products 14.3, non-ferrous metal products 13.0, and printing, publishing and allied industries 11.0. The smallest gain was reported by the rubber products group with 0.8 p.c. Four groups reported declines in employment, Textiles led the list with a drop of 17.0 p.c., followed by leather products with 11.9, tobacco and tobacco products 11.4 and clothing 5.5.

Significant changes have also occurred regionally between 1949 and 1954. In terms of employment, there was an increase of 8.1 p.c. for Canada as a whole. With the exception of two provinces, New Brunswick and Manitoba, all other provinces reported increased employment in manufacturing. Alberta led in this respect with an increase of 24.0 p.c., followed by British Columbia with 15.6 p.c., Newfoundland 13.2 p.c. and Quebec 8.7 p.c. These four provinces were above the Canadian average of 8.1 p.c. Four other provinces also reported increases in employment, but below the Canadian average, Of these Ontario reported an increase of 7.5 p.c., Saskatchewan 6.3 p.c., Prince Edward Island 1.5 p.c. and Nova Scotia 1.0 p.c. Of the two provinces reporting declines New Brunswick suffered a drop of 5.7 p.c. and Manitoba a drop of 1.7 p.c. The following table gives the changes which have taken place in manufacturing during the ten-year period, 1945 to 1954, on an industrial as well as a geographical basis.

TABLE 5. Percentage Variation in Employment, Salaries and Wages, and Gross Value of Products in Each Province and Major Industrial Groups, Compared for Significant Years, 1945 - 54

(For a comparison of 1959 with 1958 and 1954 see page 19)

4						
	1949	compared with	1945	1954	compared with	1949
Province and group	Employees	Salaries and wages	Gross value of products	Employees	Salaries and wages	Gross value of products
Province	1	2	3	4	5	6
Newfoundland ¹	- 2.2 -22.5 + 1.2 - 8.0 - 1.3 + 2.5 -12.3 +19.1 -13.7 + 3.6	+25.9 - 8.8 +36.7 +21.2 +33.8 +37.2 +25.8 +65.9 +9.9	+ 69.2 + 21.1 + 52.2 + 29.3 + 40.6 + 34.7 + 23.0 + 47.1 + 46.2 + 50.0	+13, 2 + 1, 5 + 1, 0 - 5, 7 + 8, 7 + 7, 5 - 1, 7 + 6, 3 +24, 0 +15, 6 + 8, 1	+71.1 +40.6 +31.2 +24.6 +50.0 +49.7 +35.3 +50.4 +75.8 +62.8	+43, 3 +29, 5 +21, 2 +24, 1 +42, 4 +39, 8 +20, 4 +30, 1 +54, 6
Industrial group						
Foods and beverages³ Tobacco and tobacco products Rubber products Leather products Leather products (except clothing) Clothing (textile and fur) Wood products³ Paper products³ Printing, publishing and allied industries⁴ Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries⁴	+ 8. 1 -12. 2 -11. 8 + 2. 3 +18. 9 +17. 8 +28. 9 +20. 7 +31. 2 - 3. 4 - 32. 4 + 1. 1 +26. 7 +38. 2 - 32. 6	+48.5 +39.1 +23.2 +38.0 +78.6 +57.1 +86.7 +81.2 +31.6 -17.1 +39.9 +79.5 +96.0 +73.7 -6.0	+ 49.5 + 42.3 + 1.6 + 25.6 + 65.1 + 52.6 + 83.9 + 95.1 + 44.1 + 49.0 + 110.9 + 110.9 + 17.6 + 17.8	+ 3, 4 + 0, 8 -11, 9 -17, 0 - 5, 5 + 6, 0 +14, 3 +11, 0 + 6, 2 +27, 4 +13, 0 +34, 3 +25, 2 +20, 7 +24, 9 +17, 7	+42.4 +27.3 +40.1 +12.5 +9.0 +15.8 +43.7 +59.1 +55.7 +46.5 +76.9 +88.3 +77.2 +76.2 +76.2 +76.1 +67.7	+23.1 +30.7 +48.0 - 2.0 + 0.6 +10.2 +43.5 +49.1 +52.8 +37.7 +61.2 +45.8 +77.7 +76.6 +91.3 +59.3

Exclusive of fish processing.

Newfoundland and "Publishing (only) of Periodicals" are excluded in columns 1, 2 and 3, but are included in columns 4, 5 and 6.

Exclusive of Newfoundland in columns 1, 2 and 3; inclusive of Newfoundland in columns 4, 5 and 6.

Exclusive of "Publishing (only) of Periodicals" in columns 1, 2 and 3.

⁵ Due to the changes of establishments from one industry to another figures for 1949 are not comparable with previous years.

Consumption of Manufactured Products. - One of the beneficial results of adopting the same classification for external trade and for production is exhibited in Table 6, where the value of commodities made available for consumption in Canada is derived from these statistics. For example, the value of all manufactured commodities made available in 1959 was \$24,469,970,787, a figure obtained by adding to the value of manufactured products the value of the imports of manufactured and partly manufactured goods and deducting the

value of the exports. In this table more accurate statistics could be presented were it possible to exclude from the gross value of manufactured products the duplications involved when the products of one manufacturing establishment become the material worked upon in another. Iron, vegetable, wood and paper, non-ferrous metals, animal, non-metallic minerals and textiles and textile products were, in that order, the leading groups in the value of finished products made available for consumption in 1959.

Animal, wood and paper and non-ferrous metal products were manufactured in Canada in greater quantities than required for home consumption, providing export balances in these groups.

On balance, Canada in the past imported large quantities of iron and steel, textiles, chemicals and non-metallic mineral products in spite of large home production. The expansion of the iron and steel, chemical and non-metallic mineral products industries will enable Canada to meet more of her requirements for home consumption and to export greater quantities in the future.

Significant changes have taken place since 1939 in the type of manufactured products made available for consumption. In that year, the iron and its products group was in leading position and contributed 19.8 per cent of the total value of manufactured products. In 1959 this group was still in first place, but the percentage went up to 27.3. The wood and paper products, non-ferrous metals, non-metallic minerals, chemicals and allied products and miscellaneous industries groups also increased their share of the total. The three mineral groups, combined, increased substantially their share of the total from 35.9 in 1939 to 46.4 in 1959. This indicates a higher standard of living for the Canadian people and also reflects the great expansion and diversification in manufacturing which has taken place since 1939. The industries producing consumer goods, on the other hand, suffered a relative decline. Vegetable products dropped from 19.6 to 13.9, animal products from 11.8 to 10.0 and textiles and textile products from 13.3 to 8.2. The following table gives the relative position of the major industrial groups in 1939 and 1959.

Manufactured Products Made Available for Consumption

(Percentage of the Total)

Group	1939	1959	Group	1939	1959
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products	19.6 11.8 13.3 11.6		Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries Totals	8.9 7.2 5.3 2.5	10.4 8.7 5.9 3.0 100.0

TABLE 6. Consumption of Manufactured Products, 1928-58, and by Industrial Groups, 1959

Year and group	Value of products	Manufactured manufactur	d and partly ed goods ²	Value of manufactured products			
xear and group	manufactured ¹	Value of net imports	Value of domestic exports	available for consumption			
	dollars						
1928 1929 1933 1939 1941 1942 1943 1944 1945 1946 1946 1947 1948 1949 1950 1950 1951 1951	3,582,345,302 3,883,446,116 1,954,075,785 3,474,783,528 6,076,308,124 7,553,794,972 8,732,860,999 9,073,692,519 8,250,368,866 8,035,692,471 10,081,026,580 11,875,189,685 12,479,593,300 13,817,526,381 16,382,187,132 16,982,887,035 17,785,416,854 17,554,527,504 19,513,933,811 21,636,748,986 22,183,594,311 22,163,886,308	954, 387, 551 939, 130, 201 298, 068, 344 542, 364, 930 1, 123, 994, 913 1, 283, 884, 068 1, 305, 838, 746 1, 302, 413, 996 1, 117, 544, 874 1, 300, 123, 100 1, 928, 250, 119 1, 869, 702, 089 2, 043, 583, 929 2, 289, 162, 070 3, 034, 709, 829 3, 125, 381, 333 3, 519, 418, 503 3, 239, 535, 681 3, 781, 212, 944 4, 639, 037, 713 4, 525, 870, 602 4, 046, 816, 666	698, 376, 615 686, 876, 071 365, 232, 113 646, 853, 938 1, 292, 855, 603 2, 056, 368, 079 2, 444, 862, 298 2, 668, 575, 781 2, 352, 441, 796 1, 701, 677, 026 2, 124, 740, 343 2, 259, 247, 456 2, 017, 055, 615 2, 239, 733, 915 2, 749, 091, 256 2, 882, 543, 945 2, 781, 269, 785 2, 811, 573, 960 3, 143, 126, 437 3, 261, 774, 777 3, 251, 376, 449 3, 079, 410, 217	3,838,356,238 4,135,700,246 1,886,912,016 3,370,294,520 5,907,447,434 6,781,310,961 7,503,337,447 7,7015,471,944 7,724,138,545 9,884,536,356 11,485,624,318 12,506,121,614 13,866,954,536 14,685,624,318 12,506,121,614 13,866,954,536 13,652,202,318 18,523,565,572 17,982,489,225 20,152,202,318 23,014,011,922 23,458,088,464 23,130,592,757			
Industrial groups, 1959³ Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-fernous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries⁴	2,787,915,331 1,962,245,129 1,320,533,902	367, 473, 986 72, 287, 866 353, 215, 720 258, 184, 010 2, 003, 849, 165 407, 155, 941 302, 237, 544 322, 639, 579 371, 905, 567 4, 458, 949, 378	209, 430, 164 132, 523, 520 23, 035, 172 1, 471, 793, 091 405, 529, 573 654, 708, 958 134, 043, 311 201, 728, 577 67, 787, 706 3, 300, 580, 072	3,388,118,960 2,454,683,390 2,018,656,171 3,077,047,268 6,683,553,783 2,540,362,314 2,130,439,362 1,441,444,904 735,664,635 24,469,970,787			

¹ For 1952 and subsequent years the figures are "Selling value of factory shipments" instead of "Value of products manufactured".
² Figures for the years 1928-38 are for the fiscal years ended Mar. 31 of the following years: for 1939-59 they are for the calendar year. Net imports are total imports less foreign products re-exported.
³ Consumption figures for the major groups of the Standard Industrial Classification cannot be calculated as statistics of imports and exports are still compiled on the component material classification basis.
⁴ Statistics for the miscellaneous group since 1958 are not comparable with previous years when various non-commercial items were included, items which now are being excluded entirely from the published totals of Canadian merchandise trade. Due to these exclusions export figures of the miscellaneous group declined about \$30,000,000 while imports declined about \$150,000,000. This resulted in an overstatement of about \$120,000,000 in the available for consumption figures for 1957 and earlier years.

SECTION 2. VALUE AND VOLUME OF MANUFACTURED PRODUCTS

Value of Manufactured Products.—In the interpretation of manufacturing values over a number of years, variations in the level of prices must be borne in mind. In recent years, due to violent changes in prices, unadjusted value series, used in isolation, have become increasingly inadequate as indicators of economic trends. Of necessity, interest has shifted to measures of volume. The range of prices since 1917, on the base period 1935-39 = 100, was as follows:

Year	General wholesale	Fully or chiefly manufactured products
1917	148.9	150.9
1920	203.2	208.2
1929	124.6	123.7
1933	87.4	93.3
1939	99.2	101.9
1949	198.3	199.2
1959	230.6	241.6

Volume of Manufactured Products, — Since real income is ultimately measured in goods and services, the growth of the volume of manufacturing production, as distinguished from its value, becomes a matter of great significance. The important thing to know is whether consumers are getting more goods and services, and not whether they are expending more dollars and cents. The field of industrial production, because of its dominating position in the national economy, has attracted increasing attention. This, in turn, has resulted in the need for more accurate measurements of physical output.

During the past few years, the Business Statistics Section of the Bureau's Research and Development Division has been engaged in the reconstruction of the Index of Industrial Production. The revised indexes with 1949 as the base year are given in Tables 8, 9 and 10. The project consisted mainly of establishing annual gross and net levels of production for each industry from census of industry data and of improving the reliability of the current monthly series. For a description of the methods used in constructing the indexes and a description of its scope, see D.B.S. Reference Paper No. 34 "Revised Index of Industrial Production, 1935-1951".

The construction of this index was made possible by the availability of a great deal of basic data. Annual statistics valuable for this project have been collected by the Bureau without interruption from the end of the first World War to the present, and the scope of the monthly information has been greatly expanded. Applying the methods developed through the experience of the last quarter century, it has been possible to compute an index with a fair measure of accuracy from 1935 to the present.

Prior to the end of the first World War, the movement of industrial production was regarded as following the output of a few factors such as pig iron. The introduction of the index number placed the information on a much wider base. It is safer to base one's impression of the current trend upon a comprehensive index embracing a wide range of economic factors than upon any limited group of components that necessarily fluctuate according to particular influences.

An index of this kind offers considerable advantage in analyzing social and economic problems. The greatest call on the index is for the interpretation of current economic conditions. It is particularly relevant in the study of business fluctuations. While the index is based on the sectors of the economy that are particularly sensitive to short term influences, it also reflects a large part of the variations in the total of all economic activity. The output of mines and factories plays a dominant part in economic fluctuations and is closely associated with transport and trade which are mainly concerned with the distribution of commodities. The barometric nature of the industrial sector enhances the value of the index as

an indicator of short-term movements but its usefulness in the interpretation of long-term economic developments should not be overlooked.

The Canadian annual Census of Industry, from which final benchmark indexes are computed, covers practically all establishments, but excludes work in the home. In the matter of repairs, the census of manufactures generally excludes work performed in connection with a service trade such as boot and shoe and automobile repairs. However, the census covers repairs carried on essentially under industrial conditions, such as ship and locomotive repairs. Consequently only industrial-type repairs are included in the index.

The framework of the revised index is based on the new Standard Classification of Industries prepared by an inter-departmental working committee. The preceding system used by the Bureau of Statistics was of a three-fold nature based on (1) chief component material; (2) purpose and (3) origin. The first principle was used most extensively, the criteria of purpose and origin having been used for the presentation of supplementary series which played a secondary role in Bureau publications.

The main innovation introduced in the Standard Classification was the compromise between the different principles. In recent years, Canada's industrial system has undergone considerable development, from a country primarily concerned with the early stages in the processing of primary materials to one that is turning out more and more goods for final consumption. Consequently, in establishing the new classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. The purpose phase was regarded as most appropriate for the wide range of consumer goods such as clothing and foods and beverages.

The industries grouped under the component material phase of the classification from 1935 to 1948 were re-arranged to conform with the standard model. As most of the industries were not greatly affected by the change in classification they were transferred intact to the proper position in the new system. The standard classification, for the most part, provided for comparability at the industry level. It was applied to establishments for the first time in the 1949 census of manufactures. In a number of industries, where the change in classification seriously disturbed the continuity, establishments were re-combined for the whole period covered by the index. The manufacture of synthetic rubber, for example, was transferred from the rubber industry to "miscellaneous chemicals". Plants engaged in the production for distribution of manufactured gas were transferred from "coke and gas" to the gas and electricity division. The salt industry was adjusted so as to comprise only processing operations for inclusion in the manufacturing division of the index. Three minor industries which were re-classified to non-industrial groups were dropped from the computation.

The appropriate series in the manufacturing division were re-classified to obtain sub-indexes of economic significance. The movement of durable goods normally varies from that of non-durables. There tends to be greater fluctuation in durables from prosperity to depression, the demand for non-durables being more constant. The manufacturing division was therefore divided, at the major group level, as between durable manufactures and non-durable manufactures. Although these groupings are rather rough and ready, they are of great use in economicanalysis. The classification into producers' and consumers' goods, attempted in some countries, involves more difficulty as many intermediate commodities have alternate uses, and was not attempted here.

Volume of Production, 1923-35. — The indexes of volume of production, 1923-1935 given in Table 7 below were constructed in the General Manufactures Section of the Industry and Merchandising Division for the years 1923 to 1946. On comparing the index for 1935 given in Table 7 which stood at 87.9 with the new index for 1935 at 86.6 on the 1935-39 bast it would appear that for the back years little significant variation existed between the two series. The indexes in Table 7 may therefore be used in evaluating the changes in the volume of manufacturing production between 1923 and 1935.

The physical volume of manufacturing production increased 50 p.c. from 1923 to 1929. When it is recalled that the population of Canada is estimated to have increased only 11 p.c. during the same period, the growth of manufacturing production is indeed remarkable. Of this advance, the part resulting from an increase in the domestic demand due to growth of population would therefore be about 11 p.c. The increase in exports was about 3.6 p.c.

of the 1923 production. The remainder of the increase in production by 1929, or a margin equal to roughly 35 p.c. of the volume of manufactures of 1923, was, therefore, apparently absorbed by increases in capital equipment and by the rise in the standard of living of the population of Canada. From a high of 101.4 in 1929 the volume of production declined to 67.6 in 1932 and climbed again to 87.9 in 1935.

TABLE 7. Indexes of the Volume of Manufacturing Production, according to the Component Material Classification, 1923-35

(1935 - 39 = 100)

	Year	Vegetable	Animal	Textiles	Wood and paper	Iron	Non- ferrous metal	Non- metallic mineral	Chemicals	Miscel- laneous	All industries
1923		62.6	75.0	64. 3	65. 1	81.5	42.7	81.8	59. 2	99. 5	67. 5
		67.8	80. 4	62.1	64.0	68.6	46.4	78.9	60.5	95.0	66. 3
		75. 1	84. 8	66.5	69.0	79.9	52.5	80.3	64.8	94.5	72. 5
1926		80.2	92.2	75.8	78.1	102.6	58.6	89. 6	70.5	104.4	82. 5
1927		84.9	90.0	81.4	84.1	104.1	67-6	102.3	75.2	114.2	87.9
1928		93.5	92. 9	87. 0	92.5	117. 1	75.3	116.3	82.7	110.5	95.8
1929		96.4	87.9	86.1	99. 6	133.4	81.3	137.1	84.8	105.6	101. 4
1930		91.6	85. 3	80.0	92. 1	108.6	76.8	122.9	74.9	87.8	91.9
1931		83.4	77.4	78. 2	76. 6	82.8	73. 1	105. 6	69.2	80.0	79. 9
		74. 1	76.7	74. 6	68. 0	53.5	58.9	75. 1	66.0	75. 8	67.6
		72.8	79.6	81. 1	69.6	50.2	57.6	68. 8	69.9	71.9	67.7
		82. 4	86. 5	89.5	81.5	67.6	70. 8	82. 5	79.3	85. 2	79.6
	***************************************	87.0	91.3	94. 5	89.5	83.4	81. 2	88. 1	87. 2	91. 1	87. 9
2000							1				

Volume of Production, 1935-59. — The period covered by this report was characterized by unprecedented industrial expansion. Emerging from a depression practically world-wide in scope, industrial operations in this country entered a period of rapid growth which was maintained throughout the war and post-war years without important interruption.

A problem confronting business economists is to determine how much of the post-war industrial "drive" was due to normal growth factors and how much of it was caused by the backlog of war accumulated demand. While it is true that the greatest demand accumulation took place in housing and consumer durables, non-durables such as textiles and clothing also started the post-war period with a sizeable backlog of unfilled demand. It is now becoming apparent, after the vigorous pace of business following the outbreak of hostilities in Korea, that a considerable portion of this demand has been satisfied and some industries, notably textiles, clothing, agricultural implements and some major appliances, are experiencing difficulties. However, overall prospects appear bright for the near future. The high level of capital investment during the past few years which increased productive capacity, is beginning to be reflected in current production statistics. Huge expansion and development programmes are still under way in iron ore, aluminum and other metals, oil, chemicals, electric power, and in a number of other industries. In addition, federal government expenditures for national defence should still exert some influence on the economic picture.

The volume of output of manufactures rose steeply after the outbreak of hostilities in 1939. Productive facilities responded quickly to the urgent requirements of the armed forces. In the early days of the war, production assignments allotted were comparatively simple, but as the pre-war weapons became obsolete and as Canada proved herself capable of turning out larger and more complex equipment, the assignments constantly shifted, changed and grew more difficult. The production figures merely suggest the magnitude of the achievement. They cannot describe the tremendous effort needed to convert a semi-agricultural country into a wartime arsenal nor the complications which arose because of shortages of man-power, tools and materials.

The productive peak was reached in 1944, when weapons, supplies and equipment were rolling off the assembly lines at record-breaking pace. The end of hostilities and the subsequent reconversion to peace-time production were attended with declines in output in 1945 and 1946. The upward trend was resumed, however, in 1947. The rate of advance slackened moderately in 1948 and 1949 but regained most of its 1947 impetus in 1950 when the renewal of hostilities in Korea resulted in heavy anticipatory buying on the part of consumers and in growing expenditures for national defence. A remarkable feature is that in 1953 the index of the volume of manufacturing production which stood at 126.4 had surpassed the record wartime level of 106.1 established in 1944. The following year there was a minor recession and the index dropped to 122.9. With the upturn in economic activity during 1955 and 1956 the index rose again to an all-time high of 145.1, exceeding the previous high of 1953 by 14.8 p.c. The downturn in manufacturing activity which began in the fall of 1957 continued throughout 1958. As a result the index dropped to 139.1 for 1958, a drop of 4.1 p.c. from the high attained in 1956. The recovery in production during 1959 resulted in the index rising to an all-time high of 148.9.

TABLE 8. Indexes of the Total Volume of Manufacturing Production, classified on the Basis of Durable and Non-Durable Goods, 1935-59

(1949 = 100)

Year	All manufactures	Non-durable manufactures	Durable manufactures	Year	All manufactures	Non-durable manufactures	Durable manufactures
1935	39.0	44. 1	32.7	1948	97.3	96.3	98. 4
1936	43.0	48. 1	36.9	1949	100.0	100.0	100.0
1937	49.2	52.8	44.9	1950	106. 2	106.0	106.5
1938	45.3	49.0	40.9	1951	115.0	110.8	119.9
1939	48.7	53.7	42.7	1952	118.5	113. 2	124.8
1940	60.4	61.6	59.3	1953	126.4	120. 2	133. 6
1941	78.7	73. 7	85.8	1954	122.9	121. 2	124.8
1942	96. 1	84. 3	112.1	1955	134.7	130.4	139. 7
1943	104.0	85. 9	128. 2	1956	145. 1	138. 1	153. 3
1944	106.1	89. 5	128.3	1957	142.9	139.7	146.7
1945	92.9	88. 2	99. 8	1958	139. 1	139.5	138.6
1946	85.2	89.8	79.9	1959	148.9	148.8	149.0
1947	93.2	93.2	93. 3				

Non-durable Manufactures

The trend of output in the non-durable sector of manufacturing was visibly smoother than in the durable sector. Except for two years, 1938 and 1945, there has been no interruption in the upward movement of production during the period under review. Despite the fact that war contracts quickened the pace of output in some of the industries, production continued to expand after the war, although at a slower rate. Unlike durable goods, non-durable commodities are mostly consumers' goods and are less influenced by sudden changes in the international situation or the capital investment programmes of producers and governments. By 1957 the non-durable index had reached 139.7, the highest on record. In 1958 it declined fractionally to 139.5 and rose again to the all-time high of 148.8 in 1959.

The production of Processed Foods and Beverages rose practically without pause throughout the period. A characteristic of most industries processing foods is the high ratio of the value of materials consumed to the value of products, indicating a relatively low degree of fabrication per unit of output. The volume of processed foods manufactured increased by 44 p.c. since 1949 as compared with an increase of 30 p.c. in population. The per capita increase in the use of processed foods is due mainly to the high level of economic activity with the resultant increase in personal income during the period. All industries in the food group, with the exception of flour mills, reported increased volume since 1949, ranging from a high of 66.9 p.c. for fruit and vegetable preparations to a low of 13.9 p.c. for confectionery. The decline of 6.0 p.c. in the output of the flour milling industry is due to a decline in export shipments and not to a drop in domestic consumption. In all probability the consumption domestically of flour and other products of the industry increased as well.

The advance in the production of Beverages was also practically uninterrupted from 1949 to the present. The increase in the volume was 54.1 p.c. which was 10.2 p.c. higher than the increase in the volume of processed foods. The greatest increase in the beverage group was reported by distilleries with a 90 p.c. increase in volume. This does not represent the increase in the domestic consumption of alcoholic beverages since this industry, too, exports a substantial part of its production, exports of whisky rising from 4,149,473 proof gallons in 1949 to 9,413,165 proof gallons in 1959. The brewing and carbonated beverages industries also reported substantial increases in volume since 1949, the increase being 41.9 and 62.3 p.c. respectively. In the case of these products the increases represent increased consumption in Canada, as the export trade is insignificant. Wine production, after reaching a peak in 1950, dropped about 14 p.c. in the following three years. There was a recovery in 1954 which continued until

1958, with the result that the volume of the industry advanced about 40 p.c. between 1949 and 1958. In 1959 the index dropped to 125.8

The great demand for cigarettes for members of the armed forces during the war contributed largely to the considerable increase in the **Tohacco Products** index which reached the record level of 103.2 in 1945. The index dropped to 90.6 the following year, but rose gradually thereafter to 103.4 in 1950. Weakening demand led to a decline of 8 per cent in 1951. Rapid recovery was made during the next eight years with the index rising to 179.9 in 1959, highest on record.

The contribution of the Rubber Products industry to the war effort was mainly in the form of tires and tubes for military vehicles and aircraft. Production of passenger car tires and tubes was sharply curtailed as was the output of rubber footwear. After a marked increase in 1941, the index remained more or less stationary at around 85 until 1945 when civilian production was resumed and the index jumped to 102.1. The industry-wide strike in 1946 contributed to a decline in that year, but record-breaking demand for the industry's output led to sharp advances in the following years, the index reaching a high of 154.0 in 1956. Volume output declined during 1957 and 1958 with the index dropping to 137.2. There was marked recovery in 1959 and the index rose to 161.1, a new high which exceeded the previous high in 1956 by 4.6 p.c.

Output of Leather Products rose steadily until 1946 when the index reached a high point of 124.0. The subsequent easing of foreign demand for the industry's products contributed to the gradual decline of production in the post-war period with the result that this group shows the second smallest growth of any in the manufacturing sector. In 1959, volume of output was only 20.3 per cent greater than in the base period. Production of leather tanneries in 1954 was actually 6.0 p.c. lower than in 1949, while the output of boots and shoes was only 4 per cent higher. Some recovery was made between 1955 and 1957, the output of tanneries increasing 9 p.c. and footwear 23 p.c. over the base period. Since 1946 which was the all-time high the overall index of this group dropped 3 p.c. in 1959.

The **Textile** industries reached their maximum wartime level of output in 1942 when the index stood at 102.0. Production then fell off gradually until 1946 but recovered sharply in the post-war period to an index level of 113.1 in 1951. A slackening of demand for textiles during the next few years saw the index drop to 94.3 in 1954. Of all the industries of the non-durable goods sector, textiles were the hardest hit by the downturn in manufacturing activity in 1954. There was substantial recovery between 1955 and 1957, with the index rising

to an all-time high of 117.6. There was another decline in volume in 1958 to 109.5 and as a result of this the textile group since 1949 reported the smallest increase in physical output of any group in both the durable and non-durable classification. There was considerable improvement in volume in 1959. The increase of 12.8 p.c. resulted in the textile group being displaced by clothing and leather products with the smallest volume increase since 1949.

The movement of individual industries within the group varied over the period under review. The greatest advance in volume of production since 1949 was achieved by the synthetic textiles industry, the index in 1959 standing at 181.1. The production of both cotton and woollen goods in 1959 was much lower than in 1949. Cotton goods, after experiencing varied fluctuations in production ended 1958 with the index standing at 90.2. In the case of woollen goods the decline since 1949 was more severe, the index in 1958 dropping to 74.2. There was a marked improvement in 1959, the indexes rising to 94.2 and 84.8 respectively.

The trend of production since 1935 was similar for both the cotton and woollen goods industries. Before the war both groups expanded moderately and in both cases a major recession occurred in 1938. With the outbreak of war in 1939 there was a marked increase in production, with record highs being reached in 1942 when the respective indexes were 128.2 and 111.3. There was thus an increase of 63 p.c. in the output of cotton goods and 71 p.c. in woollen goods between 1939 and 1942. With the end of the war the production of both cotton and woollen goods declined sharply to a post-war low in 1954 when the index for cotton goods dropped to 86.7 and for woollen goods to 72.0. Some recovery took place during 1955, 1956 and 1957, the index rising to 100 in the case of cotton goods and 86.9 for woollen goods. There was another decline in 1958 and a sharp increase in 1959. This increase, however, was not large enough to bring the indexes to the 1957 level.

Since 1938 the production index for Synthetic Textiles showed an unbroken record of increases and in 1951 stood at 134.0. The adverse conditions prevailing in the textile industry generally during the following few years also affected the output of synthetic textiles so that by 1954 the index stood at 108.7. There was a marked recovery the following year which continued throughout 1956 and 1957. By the end of 1957 the index which reached 156.6 was the highest on record. There was a moderate decline in 1958 and a sharp rise in 1959 which raised the index to an all-time high of 181.1. Much of the credit of increasing consumer acceptance of synthetics belongs to the achievements of research in improving manufacturing and dyeing techniques and in the development of new combinations of various fibres with a new range of qualities and practical applications.

Synthetic fibres are now being used in the fabrication of a host of commodities such as suitings, overcoatings, blankets, carpets, draperies, upholstery products, tire fabrics, etc., in addition to hosiery, dress fabrics and other women's wear. Moreover, Canadian producers are now supplying the bulk of domestic synthetic raw material requirements which were formerly imported from the United States. As a result, new investment outlays by the industry have increased considerably in the post-war period.

The trend in the physical output of clothing was similar to that of other textiles, the production index reaching a peak of 100.9 in 1942, then declining gradually until 1945. Since then output fluctuated within narrow limits. For the clothing group as a whole there was an increase of 15.3 p.c. in volume of production since 1949. This is the smallest increase reported by any group in both the durable and non-durable classifications. The leather and textile groups, as mentioned previously, were the only other groups to report such moderate increases in volume. For leather the increase was 20.3 p.c. and for textiles 23.5 p.c. The trend of production varied from industry to industry in the clothing group. The output of knitted goods since 1949 was 16.6 p.c. higher. Men's, women's and children's clothing gained 9.9 p.c. while miscellaneous clothing which includes corsets, fur goods, hats and caps, etc. advanced 20.8 p.c. These increases are significant when compared with the 30 p.c. increase in population during the same period. The industry is now facing keen competition and a more selective retail demand, By improving manufacturing methods and styling, the industry hopes to make available more desirable merchandise at lower prices. Weak demand contributed to a marked decline in the level of new investment in durable physical assets.

Production by the industries of the Paper Products group expanded almost uninterruptedly during the period under review. The post-war period saw a sharp advance in output, the index rising to 81.0 in 1946 from an annual average of about 55 during the previous decade. From then on there was, with but two exceptions, a continuous expansion to 144.1 in 1959. Activity in this sector of manufacturing is influenced mainly by the "Pulp and Paper" industry, which, in terms of value added, is the most important single manufacturing industry. In the last few years, the net value contributed by pulp and paper mills was almost twice that of any other industry. The growth of this industry during the period under review was characterized by two distinct phases. From 1935 to the end of the war, new investment by the industry was designed mainly to replace worn-out machinery and equipment and increases in output were principally the result of utilizing idle capacity after the depression of the thirties. Since 1945, however, with strong world demand for wood pulp and newsprint, together with the availability of necessary materials for expansion, the construction of new plant and the installation of new machinery and equipment reached record proportions. Investment in new plant and equipment, which averaged \$105 million during the previous three years dropped to \$69 million in 1954, a decrease of \$36 million from the record high reported in 1952. Capital investment which reached the unprecedented total of \$240 million in 1956 and \$234 million in 1957 dropped to \$110 million in 1959.

Newsprint, pulp and paper board are the leading products of the pulp and paper industry. Production of newsprint in 1959 totalled 6,351,000 tons of which 5,910,173 tons were exported. Canada is thus the leading exporter of newsprint in the world. World exports of newsprint in 1954 are estimated at 6,788,000 tons, with Canada accounting for 81.3 p.c. of the total. Finland, Sweden and Norway, in the order named, are other substantial exporters of newsprint and between them have accounted for 10.5 p.c. of the total. Newsprint is also Canada's leading export and 1959 was valued at \$722,271,166.

The Printing and Publishing industries expanded very little during the war years. Production grew rapidly after the end of hostilities and in 1957, volume of output was 143 p.c. greater than in 1949, although this represents a smaller advance than total manufacturing. The post-war increase coincided with the gain in the value of new investment which was mainly in the form of machinery and equipment to make up for deficiencies dating back to the depressed thirties and the war years. Investment in fixed assets totalled \$16 million in 1953 and \$32 million per annum in 1954 to 1959 as compared with only about \$2 million in 1944.

With few interruptions, output of Petroleum and Coal products rose steadily over the period under review to an index of 241.5 in 1959. The petroleum refining industry which contributes 93 p.c. of the total for the group experienced a recordbreaking post-war demand for gasoline and fuel oil so that by 1959 the production index stood at 259.1, compared with the wartime high of 69.0 in 1944. The other major industry of the group, viz., coke and gas products also reported increased output but not to the same extent as petroleum refining. In recent years the petroleum refining industry has added substantially to its refining capacity. From 1950 to 1953 expenditure for new plant, machinery and equipment which averaged about \$50 million per annum rose to about \$90 million per annum for the period 1954-59. Some of this rapid growth is associated with the remarkable progress made in the exploitation of western crude oil reserves. In 1959 oil from domestic wells represented 57 p.c. of the total consumed by Canadian refineries. This compares with a contribution of 22 p.c. in 1949.

Output of Chemical Products which include ammunition and explosives reached a record-high level in 1944 when the index stood at 143. Production in the post-war period has been at a considerably lower level, but increased significantly since

1950, with the advent of the defence programme. The index in 1959 stood at 199.9. The expansion of the industry during the war made possible the manufacture of many products which were formerly imported. In addition, several entirely new products, such as synthetic rubber, were introduced. Demand for these commodities continued in the post-war period and the development of new sources of basic materials, together with the progress of research into additional commercial uses for these new compounds resulted in further expansion of production for civilian use.

The rapid wartime advance was mainly the result of the enlargement of the munition programme with the government and private industry combining forces in the construction of a huge explosives and ammunition-filling industry. At its peak in 1943, the production index for Explosives and Ammunition

was 20 times higher than in the five year period preceding the war. With the end of the war output dropped very rapidly, the products made being mainly for peace-time use, such as explosives for the mining and construction industries.

Since the Government-owned Polymer Corporation began producing Synthetic Rubber in 1943, output of this important commodity has expanded considerably, to a total of 115,000 tons in 1959. Production declined somewhat in 1947 and 1948 when imports of natural rubber were resumed, but recovered strongly to record levels since 1950, as the defence programme gathered momentum and as the rubber requirements of the motor vehicles industry rose to a new maximum. During 1959, synthetic rubber accounted for 47 per cent of total new rubber consumed in Canada. This commodity is classified to the Miscellaneous Chemicals industry.

TABLE 9. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Non-Durable Manufactures Classification, 1935-59

(1949 - 100)

		Non-durable manufactures											
Year	Foods	Bever- ages	Tobacco and tobacco products	Rubber products	Leather products	Textile products (except clothing)	Clothing (textile and fur)	Paper products	Printing publishing and allied trades	Products of petroleum and coal	Chemicals and allied products	Miscel- laneous industries	
1935	51.2	27.1	31.1	49.8	70.8	49.7	57.2	38.6	50.2	37.8	31.4	31.4	
1936	56.6	32.1	35.7	54. 5	71.1	55. 5	60. 5	42.4	53. 2	40.8	33.7	34. 3	
1937	58.7	37.8	41.4	63.6	78. 1	59.8	65.3	48.9	56. 5	44.9	39.3	37. 1	
1938	59. 0	37.1	45. 9	55.0	68.9	48.1	61.3	39.3	52. 9	44.4	37.9	36.9	
1939	63.0	38. 7	49. 2	60.4	80.3	59.5	67.3	45.2	54.7	48.1	40.7	38. 6	
1940	68. 5	45.5	53.1	66.0	85. 7	81.8	78.2	54.3	54.6	53.6	49.8	42.6	
1941	79. 5	52. 9	61.3	87.5	104.2	91.7	88. 4	61.6	60.6	61.1	77.2	60.8	
1942	83.4	60.8	76.0	85. 3	110.8	102.0	100. 9	61.5	61.2	59.4	126.5	88. 5	
1943	89. 9	56. 6	82.3	83.3	111.6	93. 8	97. 7	60.0	59. 7	65.1	135.1	112.1	
1944	97. 7	66. 7	89.6	84.4	110.5	87. 9	91.7	63.9	61.4	73.6	142.8	113.0	
1945	98. 7	71.8	103.2	102.1	114.5	87.5	91.4	69.1	67.3	71.9	107.1	98.3	
1946	103.0	82.2	90.6	89.5	124.0	88.7	95.3	81.0	76.9	74.3	87.0	80.2	
1947	100.4	87.3	93.4	127.4	109.1	94.0	92. 2	89.1	83. 6	79.8	90.8	84. 1	
1948	99. 5	95.3	93.4	116.4	95. 5	97.3	97.6	94.9	92.6	89.9	95. 7	81.4	
1949	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100, 0	100.0	100.0	
1950	104.4	102.1	103.4	116.8	95. 6	112.5	101.3	109.3	101.5	111.9	107. 7	104.8	
1951	107.0	106.2	95. 0	124.9	90. 4	113.1	101.2	117.5	105.1	128.5	120.0	119.0	
1952	112.8	115.5	108.0	118.9	101. 0	102. 9	111.4	113.4	107. 5	140.1	122.3	121.8	
1953	115.1	124.6	120.3	130.3	106.4	107.9	115.0	118.1	114.7	153. 5	139.9	141.1	
1954	120.2	121.7	124.7	119.2	100.2	94.3	108.9	124.1	121.6	165.0	152.1	134.3	
1955	125.6	130.6	135.5	141.0	106.9	114.0	112.8	131.0	127.1	188.3	165. 5	136.4	
1956	131.4	138.4	145.9	154.0	115.6	117.3	117.6	137.8	137.3	216.1	174. 8	147.0	
1957	133. 2	143.2	161.0	147.8	115.6	117.6	116.8	135.5	138. 2	223, 5	183.4	153.3	
1958	139.0	144.7	173.2	137.2	114.4	109.5	114.4	138. 4	134.4	216.8	186.5	160.0	
1959	143.9	154.1	179.9	161.1	120.3	123.5	115.3	144.1	143. 2	241.5	199.9	177. 8	
		1											

Durable Manufactures

The tremendous increase in physical output during the war years was mostly concentrated in the durable goods sector. When war was declared in September, 1939, there were virtually no armament works, no production of large ships and large planes, no guns, no tanks. Within a few years Canadian plants were turning out naval and merchant ships, warplanes ranging up to the 15-ton Lancaster bomber, military vehicles, millions of rounds of ammunition and hundreds of other war items. By 1944 the volume index of durable manufactures reached a peak of 128.3. During the following two years it declined sharply and stood at 79.9 in 1946. Since then it has regained the lost ground, reaching an all-time high of 153.3 in 1956, 19.5 p.c. above the war-time peak of 128.3. After declining in 1957 and 1958 the index rose again to 149.0 in 1959, only 4.4 points below the all-time high.

The largest gain during the war years occurred in the output of **Transportation Equipment.** Due principally to the tremendous increases in production of ships and aircraft, the index for this group of industries rose to the record level of 236 in 1944, the year of maximum war production. After reaching a post-war low of 81 in 1946, the index rose moderately during the next three years, but, spurred by the great demand for passenger cars and by the renewal of defence production, marked gains were made since 1950, with the index climbing to 165 in 1953. The minor recession in industrial production in 1954 affected this group more than any other. The index dropped to 137, a decline of 16.9 p.c. as compared with the previous year. The recovery in production during the next two years brought the index up to 157.9 in 1956. The minor recession which commenced in the latter part of 1957 lowered the index to 128.9 in 1959.

The Iron and Steel group of industries was also considerably affected by war requirements. As most of the industries in this sector were more firmly established in the pre-war period, they did not expand relatively to the same extent as shipbuilding and aircraft. Production for the group as a whole reached a maximum of 132 in 1943 and with the end of the war dropped to an average of 88. Recovery which commenced in 1947 continued with but few interruptions to an all-time high of 145 in 1956. The general downward trend in manufacturing production which began in the fall of 1957 pulled the index for the iron and steel group down to 140 in 1957 and 126 in 1958. The sharp recovery in 1959 brought the index up to a new alltime high of 147.7. When European supplies were cut off early in the war, the Canadian basic steel industry had to rely on the United States for a greater supply and had to increase its own steel-making capacity to meet abnormal wartime requirements. However, development of the industry did not halt with end of hostilities. Canada's industrialization programme, together with strong post-war demand for consumers' durable goods, led to steady expansion of the industry so that by 1951, the index for the primary iron and steel industry stood at 129. Due to the contraction in the demand for durable goods in 1954 the index for the group dropped sharply to 95, down to about the 1947 level. Rapid recovery was made during the following two years, with the index rising to 158 in 1956, the highest on record. The demand for basic iron and steel products which eased during 1957 and 1958 jumped again to an all-time high of 167.7 in 1959. The output of pig iron and steel ingots and castings expanded considerably since 1939 when the production of pig iron totalled 755,731 tons and steel ingots and castings 1,551,054 tons. The year 1959 saw a record output of 4,182,775 tons of pig iron and 5,901,487 tons of steelingots and castings. The additional capacity constructed during the past few years should reduce still further the country's dependence on United States imports of finished and semi-finished iron and steel shapes. Indicative of the rapid growth of the iron and steel group of industries in recent years is the amount of funds expended for new plant, machinery and equipment. From an average annual expenditure of \$62 million during the previous five years new investment jumped to \$136 million in 1952 and \$114 million in 1953. New investment in 1954 and 1955 averaged \$92 million and in 1956 and 1957 reached the record average of \$171 million per annum. Expenditures eased off in 1958 to \$126 millions, but rose again to \$166 million in 1959.

To meet the need for electrical and radar equipment and signalling devices, the Electrical Apparatus and Supplies industry manufactured articles during the war which were previously not made in Canada. Output of civilian radio receiving sets and appliances was severely curtailed as the industry converted the major part of its productive capacity to the manufacture of war instruments. The production index reached a wartime peak of 86 in 1944 and declined during the next two years. The industry recovered rapidly, however, as a result of accumulated demand for radios, consumers' appliances and heavy electrical equipment, and by 1952 the index had jumped 84 per cent from its 1946 post-war low, to a level of 125. Due mainly to the heavy demand for television sets, the index in 1953 advanced sharply to 151, an increase of 21 per cent over the previous year. The advance continued throughout the next three years and the index rose to an all-time high of 191 in 1956. Following the general trend of moderate declines in the output of durable goods, the index slipped to 175.5 in 1958, with a slight rise to 180.7 in 1959.

Production in the Non-ferrous Metals group of industries reached a wartime maximum in 1943 when the net index stood at 146. During the next three years, output dropped 44 per cent, but recovered steadily thereafter, backed by sustained demand for base metals. In 1958 the index stood at 126, a decrease of 13.7 p.c. from the war-time high of 146. Aluminum which is an important component of the group is being fabricated into an ever-increasing variety of commodities, and production of aluminum bars and rods, sheets, shapes, etc., reached record proportions in the post-war period. During the war years, aluminum sheet production was of a strong alloy type used principally in aircraft construction and required more fabricating than the regular type of sheet used in the production of cooking utensils and other civilian items.

Military requirements did not affect the nature of output in the Non-metallic Mineral products group of industries. In war or peace, the bulk of production consists of construction materials such as cement, cement products, building brick, lime and gypsum products, glass, stone products, etc. During the war, under government control, a major proportion of these industries' products were channelled into construction of new war production plants, extensions to pre-war plants, housing for war workers and the building of training and operation facilities for the armed services. No serious reconversion problems were encountered by the non-metal industries immediately following the war. After a slight pause, following the peak of wartime output, plants turned their productive capacity towards meeting the unprecedented demands of the post-war construction boom. From a wartime maximum of 69 in 1943, the volume index dropped moderately in 1944 and 1945, but rose steeply in succeeding years to reach the record level of 224 in 1959.

In the durables sector, the Wood-using industries were the least affected by the war. The volume of output of wood products expanded steadily without serious interruption throughout the war and post-war years. In 1953 the index stood at 125, the highest on record. In 1954 the index declined fractionally to 124, but advanced sharply the following two years to an all-time high of 138 in 1956. In 1957, due to the continued decline in exports, the index dropped to 127, about the 1953 level. With the improvement in export demand the index rose again to 135 in 1959. The two most important industries are "sawmills" and "furniture". The index representing the former, after reaching a war-time maximum of 90 in 1942, declined considerably in 1943, and hovered around 79 during the next two years. Beginning with 1946 output rose sharply, spurred by strong foreign demand for sawn lumber, and by 1955 the index had advanced to 134, the all-time high. Exports of planks and boards, shingles, veneer and plywood were considerably lower in 1956 and 1957. This is reflected in the moderate decline of the index to 131 in 1956 and a sharper decline to 115 in 1957. With the increase in export shipments during the following two years, the index rose again to 126 in 1959. Production in the furniture industry expanded throughout the period under review. The great increase in residential construction in the post-war period, together with the marked gain in new family formations created a boom for producers of house furnishings. Output of furniture jumped sharply in the three years immediately following the end of the war and rose more gradually during the subsequent years, reaching an all-time high of 146 in 1959.

TABLE 10. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Durable Manufactures Classification, 1935-59

(1949 = 100)

	Durable manufactures									
Year			Durable ma	nutactures						
	Wood products	Iron and steel products	Trans- portation equipment	Non-ferrous metal products	Electrical apparatus and supplies	Non-metallic mineral products				
1935	42.3	29. 2	34, 2	40.1	22.9	24.6				
1936	47.5	33. 8	35. 5	46.7	25, 0					
1937	53. 6	42.9	43.4			29.8				
1938	50.7	36, 6		54. 4	32. 5	38. 2				
1939	54.0		38. 1	55.8	28.0	34. 3				
1940		39. 1	37.7	58. 4	28.4	35.7				
1941	65. 5	58.9	61. 1	70.5	41, 9	45.0				
	74.5	86.4	106. 1	98.9	61.8	60.1				
1942	77.4	114.7	157.1	130.4	74.9	68. 2				
1943	73.6	131.6	198.4	145.6	85.0	68.8				
1944	76. 1	118.4	235, 7	130.9	85.5	66.8				
1945	77. 2	96. 3	157.0	98.8	70.7	63.7				
1946	86.8	80.8	80.6	81.8	67.7	72.0				
1947	98. 2	93.6	95.3	89.6	89.6	86.3				
1948	100.6	101.5	97. 2	99. 2	91.5	92. 2				
1949	100.0	100.0	100.0	100.0	100.0	100.0				
1950	108. 2	102.5	108.3	104.0	112.5	111.0				
1951	114.8	117.0	131. 3	114. 1	120.7	119.8				
1952	115.8	118.9	149.1	112. 2	124. 5	122. 8				
1953	125. 4	115.3	165. 2	120.1	150.9	139, 2				
1954.	124. 2	106. 2	137.3	117.0	151.7	146. 1				
1955	136. 4	123.8	145. 1	127.5	176. 2	171, 1				
1956	138.3	145. 3	157. 9	133.0	191.3	191.5				
1957	127.3	139.6	151. 2	127.6	183.6	191.3				
1958	131. 1	126. 4	130.8	125.8	175.5	205.9				
1959	134. 7	147.7	128.7	134.9	180.7	224. 0				

SECTION 3. PRODUCTION BY INDUSTRIAL GROUPS AND INDIVIDUAL INDUSTRIES Subsection 1. Manufactures Grouped on the Standard Classification Basis

In interpreting the statistics of individual industries, it should be remembered that the figures on employment, production, etc., do not refer to individual products but to all the products made in an industry. For example, the value of production of the confectionery industry, amounting to \$140,707,096 in 1958, does not imply that this was the value of confectionery produced. What it means is that the firms whose principal product is confectionery had a value of production of \$140,707,096. This figure, in addition to confectionery, includes all the subsidiary products made by these firms, such as ice cream, macaroni, peanut butter, syrups, bakery products, etc. which amounted to \$46,344,264 in 1958.

Confectionery is also produced as a subsidiary product by firms credited to other industrial classifications. For total production figures of individual products, reference should be made to "The Alphabetical List of Products" published annually as Appendix II to this report.

Table 11 presents for the year 1959 detailed statistics regarding the individual industries under which all industrial plants in Canada are classified. The industries are further assembled under seventeen main groups according to the Standard Industrial Classification.

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1959

	of the Manufacturing Industries, 1959											
		Estab-	Administra	tive and of	fice employees1	P	roduction w	orkers				
20.	Provinces	lish- ments	Male	Female	Salaries	Male	Female	Wages				
No.			number		\$	num	ber	\$				
1 2 3 4 5 6 7 8 9 10 11	Province Newfoundland	797 178 1,314 915 11,584 13,081 1,607 883 1,830 3,992	1, 782 355 3, 917 2, 672 70, 349 109, 233 6, 897 2, 512 7, 229 15, 902	294 102 1,128 875 26,783 44,972 2,642 2,447 4,974 5	7, 167, 534 1, 226, 042 19, 412, 109 13, 832, 209 476, 937, 605 804, 464, 853 41, 988, 977 13, 963, 802 43, 648, 577 106, 833, 797 142, 494	6,651 939 19,595 14,549 243,570 369,181 26,017 8,011 25,824 71,560	893 373 3,528 2,831 90,535 92,360 7,589 1,060 4,022 8,732	23, 313, 757 2, 630, 144 68, 281, 920 50, 040, 663 1, 069, 995, 065 1, 760, 219, 381 112, 009, 048 33, 070, 014 108, 856, 836 314, 571, 289 467, 590				
12	Canada	36, 193	220,871	85, 178	1, 529, 617, 999	785, 971	211, 936	3, 543, 455, 707				
13 14 15 16 17 18 19 20	Industrial group Foods and beverages Tobacco and tobacco products Rubber products Leather products Textiles Knitting mills Clothing Wood products	8, 165 40 89 586 879 319 2, 359 9, 808	27, 893 995 3,810 2,597 8,972 1,300 6,926 18,785	11, 565 507 1, 532 1, 360 4, 069 1, 051 4, 715 3, 700	176, 415, 444 8, 403, 593 26, 450, 174 18, 203, 644 62, 617, 002 10, 885, 782 55, 764, 007 84, 896, 025 109, 760, 625 129, 009, 466 243, 785, 906	115, 685 3, 766 12, 550 14, 763 33, 082 5, 403 20, 736 95, 697 67, 594	36,949 5,019 3,201 12,292 17,456 13,238 55,301 5,609 8,477	486, 123, 712 29, 674, 625 60, 408, 863 64, 531, 579 140, 286, 498 41, 301, 513 171, 748, 934 302, 965, 702 320, 603, 881				
21 22 23 24 25 26 27 28 29	Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	559 4,359 3,246 645 580 496 1,251 112 1,137 1,563	13, 449 18, 071 35, 428 21, 696 9, 320 18, 563 6, 842 5, 313 14, 166 6, 745	4,711 11,888 11,455 5,708 2,785 6,300 1,958 1,587 6,991 3,296	109, 1609, 266 243, 785, 906 158, 483, 835 66, 611, 319 133, 592, 998 43, 517, 215 42, 695, 672 109, 806, 000 48, 719, 292	35, 163 139, 379 83, 113 37, 323 33, 811 32, 450 9, 818 27, 895 17, 743	8,804 6,707 3,089 2,597 15,209 2,099 57 5,730 10,102	320, 603, 881 179, 254, 727 617, 659, 781 373, 103, 752 170, 116, 653 183, 264, 088 135, 136, 583 51, 200, 704 133, 411, 726 82, 662, 386				
31 32	1. Foods and beverages: Bakery products: Biscults Bread and other bakery products	44 2,539	455 3, 987	251 1, 216	3,348,104 18,597,381	2, 170 23, 348	3,021 7,853	13, 569, 189 93, 534, 146				
33 34 35 36	Beverages: Breweries Carbonated beverages Distilled liquors Wines	56 523 21 19	1, 472 1, 948 800 100	492 727 363 48	12,343,689 12,560,111 6,224,771 1,052,596	6,029 4,651 2,465 306	38 313 1, 254 40	28,004,788 15,062,142 15,020,344 1,311,379				
37 38	Canning and processing: Fish processing Fruit and vegetable preparations	409 378	1,360 1,990	324 1,073	6, 127, 988 14, 149, 603	7,859 6,762	3,473 6,214	21, 888, 386 30, 580, 779				
39 40 41 42 43	Dairy products: Butter and cheese Cheese process Concentrated milk products	1,166 13 28 37 627	3,053 201 240 137 1,250	1,818 65 107 54 454	17, 269, 329 1, 699, 996 1, 540, 096 914, 306 6, 655, 770	15, 213 539 1, 227 449 6, 865	851 279 45 126 145	54,768,796 2,923,848 4,468,806 1,749,366 25,219,976				
44 45 46 47	Grain mill products: Feeds, stock and poultry, prepared Feed mills Flour mills Foods, breakfast	870 517 71 18	1, 451 522 930 176	512 62 416 106	1, 409, 225	4, 593 925 2, 753 755	100 2 135 380	14,379,721 2,256,730 10,667,904 4,286,354				
48 49 50	Sausage and sausage casings	18 90 180		20 81 1,441		288 795 17, 163	420 4,124					
51 52 53 54 55	Other food industries: Confectionery Macaroni and kindred products Sugar refining Miscellaneous food preparations	299	69 538 1,881	143 1, 131	598,873 3,613,433 15,973,765	3, 496 398 2, 455 4, 181 115, 685	3,065	1,742,346 9,954,595 22,100,397				
56 5'	Totals	16	200	30	1, 295, 242		630	3,794,976				
5:		1										

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1959

of the Manufacturing Industries, 1959													
Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.							
number	1		dollars			110.							
9,620 1,769 28,168 20,927 431,237 615,746 43,145 12,539 39,522 101,168	30, 481, 291 3, 856, 186 87, 684, 029 63, 872, 872 1, 546, 932, 670 2, 564, 684, 234 153, 998, 025 47, 033, 816 152, 505, 413 421, 405, 086 610, 084	6,519,719 454,934 14,033,311 14,013,547 179,720,890 262,110,202 14,018,579 9,634,650 17,961,440 50,233,533 173,357	54,001,782 19,947,082 223,016,082 178,064,623 3,749,731,529 6,190,618,182 422,094,615 213,376,697 524,268,966 974,924,176 2,155,809	57, 754, 510 7, 391, 294 161, 451, 957 133, 935, 278 2, 998, 776, 012 5, 332, 081, 500 308, 341, 217 125, 877, 439 346, 299, 750 848, 404, 204 649, 720	119,007,053 27,670,896 398,663,678 325,478,717 6,916,199,594 11,668,460,562 743,509,352 347,320,321 887,316,797 1,875,142,125 2,832,386	1 2 3 4 5 6 7 8 9 10							
1, 303, 956	5, 073, 073, 706	568, 880, 162	12, 552, 200, 543	10, 320, 962, 8812	23, 311, 601, 4813	12							
192,092 10,287 21,093 31,012 63,579 20,992 87,678 123,791 94,231 73,926 192,969 113,606 52,025 73,883 43,349 16,775 54,782	662, 539, 156 38, 078, 218 86, 859, 037 82, 735, 223 202, 903, 500 52, 187, 295 227, 512, 941 387, 861, 727 430, 364, 506 308, 264, 193 861, 445, 687 531, 587, 587 236, 727, 972 316, 857, 086 178, 653, 798 93, 896, 376 243, 217, 726 131, 381, 678	67, 861, 974 902, 731 5, 420, 412 2, 264, 325 15, 076, 106 1, 908, 375 3, 104, 828 21, 519, 491 113, 551, 484 5, 978, 322 66, 045, 022 20, 183, 207 69, 017, 386 10, 177, 155 52, 467, 983 57, 898, 861 50, 592, 259 4, 910, 231	2, 967, 680, 288 212, 770, 678 160, 396, 526 143, 765, 770 429, 640, 871 98, 658, 641 401, 131, 919 761, 353, 905 935, 329, 113 267, 305, 034 1, 486, 321, 858 1, 120, 282, 587 1, 076, 051, 004 501, 799, 673 240, 923, 344 936, 188, 338 627, 365, 792 185, 235, 197	1,613,441,033 111,694,215 188,179,495 129,812,337 363,536,279 90,748,070 367,224,758 644,855,992 980,578,397 552,887,917 1,567,673,258 910,947,333 600,870,837 566,293,281 405,956,730 278,544,412² 701,479,999 246,238,538	4,673,889,281 324,563,661 347,680,280 271,175,005 802,517,086 189,267,687 765,817,930 1,425,185,795 2,027,299,168 823,631,668 3,077,628,204 2,022,195,705 1,740,453,053 1,047,462,278 694,237,680 1,268,007,449² 1,378,211,030	13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30							
5,897	16, 917, 293	1,084,527	39, 164, 213	42,539,899	82,682,904	31							
36,404	112, 131, 527	10,913,465	158, 665, 789	180,769,353	350,305,213	32							
8,031	40,348,477	3,224,608	57, 936, 492	183, 534, 883	244,766,207	33							
7,639	27,622,253	4,026,083	47, 227, 084	110, 141, 600	161,334,436	34							
4,882	21,245,115	2,471,872	53, 821, 727	112, 561, 562	170,282,828	35							
494	2,363,975	174,646	7, 367, 742	10, 002, 363	17,142,095	36							
13,016	28,016,374	2, 982, 553	109,065,708	54, 913, 312	169,021,236	37							
16,039	44,730,382	3, 544, 976	168,318,947	110, 282, 899	286,535,237	38							
20,935	72,038,125	10, 295, 166	397, 397, 813	124, 435, 841	532,636,893	39							
1,084	4,623,844	186, 508	27, 339, 503	7, 394, 431	34,599,820	40							
1,619	6,008,902	1, 869, 377	75, 500, 425	17, 664, 043	96,112,548	41							
766	2,663,672	361, 029	7, 635, 544	6, 023, 929	14,052,402	42							
8,714	31,875,746	3, 936, 805	97, 196, 497	51, 243, 920	152,335,733	43							
6,656	21,648,372	3,698,830	197, 906, 359	59,685,786	260,922,002	44							
1,511	3,665,955	685,705	26, 591, 788	6,900,333	34,220,444	45							
4,234	16,819,241	1,815,297	169, 769, 857	51,547,538	222,897,517	46							
1,417	5,819,997	461,435	14, 570, 986	22,015,296	37,136,442	47							
379	1,631,869	351,303	4,071,684	3, 338, 761	7,784,839	48							
1,575	5,238,653	472,077	19,247,487	11, 475, 063	31,290,912	49							
26,866	115,970,251	6,551,600	900,504,627	222, 648, 120	1,135,900,829	50							
9,488	27, 175, 724	1, 473, 427	70, 742, 851	63,384,986	136, 555, 219	51							
761	2, 341, 219	246, 716	8, 690, 387	7,503,079	16, 385, 142	52							
3,427	13, 568, 028	3, 134, 704	88, 349, 828	25,936,632	125, 731, 305	53							
10,258	38, 074, 162	3, 899, 265	220, 596, 950	127,497,404	353, 257, 078	54							
192,092	662, 539, 156	67, 861, 974	2, 967, 680, 288	1,613,441,033	4, 673, 889, 281	55							
8,356	32, 988, 000	562, 269	111, 616, 950	100, 985, 081	212, 360, 337	56							
1,931	5, 090, 218	340, 462	101, 153, 728	10, 709, 134	112, 203, 324	57							
10,287	38, 078, 218	902, 731	212, 770, 678	111, 694, 215	324, 563, 661	58							
21,093	86, 859, 037	5, 420, 412	160, 396, 526	188, 179, 495	347, 680, 280	59							
21,093	86, 859, 037	5, 420, 412	160, 396, 526	188, 179, 495	347, 680, 280	60							

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1959 — Continued

		Of th				ice employees¹		oduction wo	rkers
		Industries	Estab- lish- ments	Male	Female	Salaries	Male	Female	Wages
No.				number		\$	num	er	\$
1 2 3 4 5 6	Foot Glove Leath Other Be Bo	ner products: wear, leather es and mittens, leather leather industries: liting, leather to tand shoe findings, leather scellaneous leather goods, n.e.s.	246 61 48 12 29 190 586	1, 686 111 298 18 87 397 2, 597	893 55 138 18 41 215 1, 360	11, 189, 770 761, 901 2, 542, 592 159, 265 635, 213 2, 914, 903 18, 203, 644	9, 332 486 2, 870 79 458 1, 538 14, 763	8, 965 866 297 5 184 1, 975 12, 292	42, 310, 699 2, 705, 792 10, 037, 546 264, 211 1, 564, 042 7, 649, 289 64, 531, 579
	5. Text	iles:							
8 9 10	Co	on goods: tton thread tton yarn and cloth scell aneous cotton goods	13 46 14	126 2, 139 59	1,001 18	987, 508 13, 516, 750 455, 754	186 10,062 420	350 5,002 70	1, 233, 782 39, 796, 732 1, 471, 387
11 12 13	Wo Wo Mi	len goods: ollen cloth ollen yarn scellaneous woollen goods	55 37 32 48	403 218 217 2,830	195 139 105 1, 137	2, 852, 744 1, 608, 558 1, 970, 830 19, 799, 821	2,732 1,276 1,391 8,698	1,513 1,316 337 2,339	11, 298, 665 6, 637, 532 5, 512, 491 33, 842, 513
15 16	Dr	r primary textiles: reing and finishing of textiles	55 47	303 166	109 102	2,006,578 1,297,425	1, 377 897	271 868	5,042,139 4,682,016
17 18 19 20 21 22 23 24	Othe Au Ar B: C: C: E:	r textile industries: tomobile accessories, fabric winings, tents and sails ags, cotton and jute arrets, mats and rugs ordage, rope and twine licioth, linoleum and other coated fabrics uscellaneous textiles, n.e.s.	24 133 30 13 13 134 19 166 879	160 286 131 215 130 184 807 598 8, 972	62 129 64 95 65 76 295 394 4,069	1, 119, 211 1, 597, 728 1, 103, 827 1, 520, 839 1, 060, 410 1, 167, 801 5, 673, 134 4, 878, 084 62, 617, 902	310 605 324 896 627 433 1,847 1,001 33,082	500 697 561 489 236 764 153 1,990 17,456	2, 393, 041 3, 024, 677 2, 093, 494 4, 031, 083 2, 755, 392 2, 494, 124 7, 229, 249 6, 748, 181 140, 286, 498
26 27 28	Hos Kni	ting mills: tery ted goods Totals	143 176 319	512 788 1, 300	382 669 1,051	3, 985, 404 6, 900, 378 10, 885, 782	2, 603 2, 800 5, 403	4,855 8,383 13,238	17, 826, 668 23, 474, 845 41, 301, 513
29 30 31 31 33 33	Mis	thing: 's, women's and children's clothing; lothing, children's factory lothing, men's factory lothing, women's, factory lothing contractors, men's collaneous clothing; corsets ur dressing and dyeing ur goods loves and mittens, fabric	180 513 634 136 144 15 480	1,789 236 170 277 82 859	1, 493 65 70 424 15 238	3,902,266 19,123,277 17,972,598 1,063,013 878,308 3,058,254 612,446 4,812,186 318,775	1, 300 7, 703 5, 073 1, 298 395 369 766 2, 000 103	5,998 17,334 17,487 3,311 3,170 3,072 130 1,164 600	14, 315, 730 56, 887, 994 53, 721, 641 8, 688, 429 5, 935, 154 6, 581, 738 2, 799, 973 10, 551, 044 1, 161, 954
3; 3; 4; 4	1 C	lats and caps liled and waterproofed clothing Clothing, n.e.s. Totals	130 6 64	364 26 157	10 99	210, 626 1, 133, 774	1, 380 82 267 20, 736	2,082 142 811 55,301	8, 281, 242 539, 326 2, 284, 709 171, 748, 934
4	2 Fu	od products: miture	1, 897	4, 531	1,520	27,026,118	24,061	2, 387	79, 378, 093
4 4 4	3 1 2 5 5 5	v and planing mills: "looring, hardwood	1, 543	3, 103 8, 628	596 8 821	15, 396, 829 26, 306, 238	1, 207 14, 299 38, 996 8, 890	57 163 214 1,551	3, 400, 403 42, 391, 583 118, 452, 965 33, 874, 909
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7 8 9 0 1 1 2 3	ner wood industries: Beekeepers' and poultry men's supplies Boxes and baskets, wood Cooperage Excel slor Lasts, trees and shoe findings Morticlans' goods Wood turning Wood turning Miscellaneous wood products n.e.s.	150 44 10 11 6 2 6 2	349 8 109 0 13 5 5 1 133 3 56 3 17 8 56	74 55 33 8 8 8 8 8 8 9 5 5 5 5 8 1 5 1 5 1 5 1 5 1 7 1 8 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1,726,374 446,671 3 77,725 7 387,457 889,129 5 321,647 913,696 7 3,498,937		2 10 212 177 144 111 230	106, 322 6, 770, 971 1, 166, 445 164, 114 1, 331, 322 3, 066, 820 1, 070, 086 2, 902, 154 8, 889, 515 302, 965, 702

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1959 — Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	
number			dollars			No.
20, 876	53, 500, 469	801, 148	80, 256, 533	83, 326, 329	161, 459, 556	1 2 3
1, 518	3, 467, 693	59, 165	5, 274, 412	5, 386, 461	10, 550, 349	
3, 603	12, 580, 138	1,062,863	39, 088, 879	20, 248, 845	59, 282, 857	
120	423, 476	26, 912	426, 741	562, 568	1, 044, 545	5 6 7
770	2, 199, 255	98, 080	4, 173, 320	3, 523, 103	7, 706, 884	
4, 125	10, 564, 192	216, 157	14, 545, 885	16, 765, 031	31, 130, 814	
31, 012	82, 735, 223	2, 264, 325	143, 765, 770	129, 812, 337	271, 175, 005	
745	2, 221, 290	116, 505	5,079,576	5, 538, 454	10,988,398	8 9 10
18, 204	53, 313, 482	4, 285, 497	129,837,403	83, 808, 549	217,912,730	
567	1, 927, 141	167, 495	4,940,836	3, 527, 701	8,625,134	
4,843 2,949 2,050 15,004	14, 151, 409 8, 246, 090 7, 483, 321 53, 642, 334	1, 118, 909 505, 460 450, 459 5, 107, 892	26, 087, 518 21, 815, 755 12, 650, 223 96, 429, 339	21, 736, 658 15, 042, 672 16, 294, 034 107, 445, 845	47,684,919 37,690,083 29,346,125 207,061,266	11 12 13
2,060	7,048,717	884, 359	5,003,666	11, 194, 296	17,002,454	15
2,033	5,979,441	269, 513	9,677,363	10, 623, 370	20,398,547	
1, 0 3 2	3, 512, 252	107, 579	9, 124, 447	6, 633, 281	15, 739, 518	17
1, 7 17	4, 622, 405	182, 172	9, 368, 841	7, 527, 663	17, 094, 174	18
1, 0 8 0	3, 197, 321	124, 078	20, 952, 595	6, 304, 085	27, 666, 156	19
1, 6 9 5	5, 551, 922	424, 432	13, 992, 806	12, 048, 940	25, 543, 465	20
1, 0 5 8	3, 815, 802	202, 958	9, 081, 210	7, 227, 678	16, 299, 540	21
1, 4 5 7	3, 661, 925	76, 372	2, 312, 262	5, 955, 988	8, 340, 725	22
3, 10 2	12, 902, 383	681, 037	24, 407, 858	20, 367, 616	43, 789, 538	23
3, 9 8 3	11, 626, 265	371, 389	28, 879, 173	22, 259, 479	51, 334, 314	24
6 3, 5 7 9	202, 903, 500	15, 076, 106	429, 640, 871	363, 536, 279	802, 517, 086	25
8,352	21, 812, 072	810,025	29, 525, 057	39, 373, 728	68, 302, 092	26
12,640	30, 375, 223	1,098,350	69, 133, 584	51, 374, 342	120, 965, 595	27
20,992	52, 187, 295	1,908,375	98, 658, 641	90, 748, 070	189, 267, 687	28
8,120	18, 217, 996	225, 320	40, 202, 467	30, 223, 061	69, 988, 424	29
29,209	76, 011, 271	994, 344	144, 990, 401	116, 778, 300	260, 485, 879	30
25,842	71, 694, 239	676, 788	137, 934, 277	123, 058, 229	260, 575, 604	31
4,910	9, 751, 442	156, 066	1, 276, 343	11, 672, 978	13, 115, 332	32
3,805	6, 813, 462	112, 539	813, 367	8, 807, 341	9, 727, 430	33
4, 142	9, 639, 992	134, 243	13, 818, 849	19, 629, 059 5, 149, 138 25, 230, 353 2, 418, 262 16, 985, 993 1, 434, 371 5, 837, 673 367, 224, 758	33, 391, 017	34
993	3, 412, 419	119, 417	1, 253, 798		6, 503, 695	35
4, 261	15, 363, 230	289, 758	38, 202, 979		62, 623, 385	36
785	1, 480, 729	26, 401	2, 444, 357		4, 826, 742	37
4, 017	10, 959, 726	292, 247	12, 798, 590		29, 964, 551	38
260	749, 952	8, 397	1, 392, 402		2, 751, 068	39
1, 334	3, 418, 483	69, 308	6, 004, 089		11, 864, 803	40
87, 678	227, 512, 941	3, 104, 828	401, 131, 919		765, 817, 930	41
32, 499	106, 404, 211	3,603,269	161, 032, 692	167, 220, 584	329, 845, 815	42
1,462	4, 494, 786	192, 208	9, 914, 005	6, 476, 193	16, 212, 518	43
18,161	57, 788, 412	4, 051, 837	152, 914, 213	98, 207, 684	254, 861, 818	44
48,659	144, 759, 203	9, 841, 185	313, 399, 108	248, 582, 490	571, 822, 783 ²	45
11,607	40, 657, 509	1, 993, 800	70, 336, 769	68, 544, 811	141, 573, 444	46
63 3, 154 547 88 669 1, 358 592 1, 449 3, 483	134, 543 8, 497, 345 1, 613, 116 241, 839 1, 718, 779 3, 955, 949 1, 391, 733 3, 815, 850 12, 388, 452	7, 929 420, 433 103, 402 19, 394 48, 997 155, 822 75, 342 183, 585 822, 288 21, 519, 491	195, 170 11, 206, 399 3, 530, 842 206, 766 2, 089, 404 4, 728, 812 1, 949, 193 4, 346, 049 25, 504, 483 761, 353, 905	160, 555 12, 824, 409 2, 104, 552 346, 456 2, 949, 427 6, 350, 511 2, 247, 575 5, 733, 528 23, 107, 217 644, 855, 992	368, 494 24, 500, 238 5, 731, 375 570, 853 5, 104, 214 11, 208, 831 4, 286, 238 10, 323, 795 48, 725, 379 1, 425, 135, 795	47 48 49 50 51 52 53 54 55

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1959 — Continued

Industries Paper products: Boxes and bags, paper Pulp and paper Roofing paper Miscellaneous paper goods Totals Printing, publishing and allied industries: Commercial printing: Printing and bookbinding Trade composition Engraving, stereotyping and allied industries: Engraving, stereotyping and electrotyping Lithographing Printing and publishing: Printing and publishing: Printing and publishing	Establishments 228 127 19 185 559	Male number 2,396 9,081 609 1,363 13,449	ministrative employ Female 1,009 2,621 218 863 4,711	sand ees¹ Salaries \$ 16,577,409 77,510,375 4,416,041 11,256,800 109;760,625	9, 284 52, 302 1, 302 4, 706 67, 594	Female er 4,872 1,024 47 2,534 8,477	Wages \$ 46,719,571 244,800,929 5,209,713 23,873,668 320,603,881
Paper products: Boxes and bags, paper Pulp and paper Roofing paper Miscellaneous paper goods Totals Printing, publishing and allied industries: Commercial printing: Printing and bookbinding Trade composition Engraving, stereotyping and allied industries: Engraving, stereotyping and electrotyping Lithographing Printing and publishing: Depicting and publishing:	228 127 19 185 559	2,396 9,081 609 1,363 13,449	1,009 2,621 218 863	\$ 16, 577, 409 77, 510, 375 4, 416, 041 11, 256, 800	9, 284 52, 302 1, 302 4, 706	4,872 1,024 47 2,534	\$ 46,719,571 244,800,929 5,209,713 23,873,668
Boxes and bags, paper Pulp and paper Roofing paper Miscellaneous paper goods Totals Printing, publishing and allied industries: Commercial printing: Printing and bookbinding Trade composition Engraving, stereotyping and allied industries: Engraving, stereotyping and electrotyping Lithographing Printing and publishing: Depiriting and publishing:	127 19 185 559	2,396 9,081 609 1,363 13,449	2,621 218 863	16, 577, 409 77, 510, 375 4, 416, 041 11, 256, 800	9, 284 52, 302 1, 302 4, 706	4,872 1,024 47 2,534	46,719,571 244,800,929 5,209,713 23,873,668
Boxes and bags, paper Pulp and paper Roofing paper Miscellaneous paper goods Totals Printing, publishing and allied industries: Commercial printing: Printing and bookbinding Trade composition Engraving, stereotyping and allied industries: Engraving, stereotyping and electrotyping Lithographing Printing and publishing: Depiriting and publishing:	127 19 185 559	9, 081 609 1, 363 13, 449	2,621 218 863	77,510,375 4,416,041 11,256,800	52,302 1,302 4,706	1, 024 47 2, 534	244, 800, 929 5, 209, 713 23, 873, 668
Commercial printing: Printing and bookbinding Trade composition Engraving, stereotyping and allied industries: Engraving, stereotyping and electrotyping Lithographing Printing and publishing: Printing and publishing		4,612					
Engraving, stereotyping and electrotyping Lithographing Printing and publishing:		172	2,422	33, 766, 263 1, 365, 551	14,579 856	5, 484	72, 905, 008 4, 025, 823
Printing and publishing:	157 104	625 678	320 367	5,695,940 5,872,742	2,773 2,615	428 884	15, 924, 273 14, 375, 652
Publishing (only) of periodicals	740 1,462	9, 151 2, 833	5,396 3,323	63, 347, 624 18, 961, 346	14, 340	1,990 - 8,804	72, 023, 971
Totals	4, 359	18, 071	11,888	129,009,466	35, 163	0,001	110,702,000
Iron and steel products: Agricultural implements Boilers, tanks and platework Bridge and structural steel work Castings, iron Hardware, tools and cutlery Heating and cooking apparatus Machinery, household, office and store Machinery, household, office and store Machine shops Machine tools Primary iron and steel Sheet metal products Wire and wire goods Miscellaneous iron and steel products Totals	425 125 72 373 696 13 49 490 151 437	2, 416 1, 789 3, 083 2, 143 2, 300 1, 803 1, 693 6, 457 1, 508 4, 576 3, 692 1, 710 2, 060	606 497 709 684 1,107 736 718 2,220 372 61 1,163 1,395 696 491	16, 325, 858 11, 315, 130 20, 928, 159 14, 578, 865 17, 105, 863 12, 053, 656 11, 894, 891 41, 904, 807 8, 375, 556 1, 471, 710 35, 722, 622 26, 673, 536 12, 883, 427 12, 551, 826 243, 785, 906	10, 457 5, 350 10, 920 12, 667 9, 180 6, 336 5, 320 15, 454 5, 210 754 28, 996 14, 181 7, 338 7, 216 139, 379	100 30 13 217 1,599 261 725 674 77 1 207 1,513 766 524 6,707	45, 415, 276 22, 088, 270 48, 413, 472 53, 297, 548 39, 218, 871 24, 209, 289 24, 067, 450 65, 409, 193 20, 066, 812 3, 061, 090 147, 187, 529 63, 447, 635 32, 792, 139 28, 985, 210 617, 659, 781
Motor vehicles arts Motor vehicle parts Railway rolling stock Shipbullding Miscellaneous transportation equipment	225 16 211 29 65 17	8,013 100 366 5,750 3,172 2,373 1,840 82	2,324 68 67 1,428 1,000 253 498 70 5,708	60, 256, 779 911, 978 1, 386, 104 45, 089, 019 23, 303, 563 15, 122, 440 11, 543, 348 870, 604	17, 695 518 1, 326 20, 938 12, 687 17, 585 11, 918 446 83, 113	484 55 15 345 2,026 37 35 92 3,089	82, 228, 125 2, 174, 719 4, 169, 076 101, 867, 306 61, 894, 944 68, 557, 869 50, 557, 191 1, 654, 522 373, 103, 752
Totals							
Aluminum products Brass and copper products Jewellery and silverware Non-ferrous metal smelting and refining White metal alloys Miscellaneous non-ferrous metal products	156 213 24 64	1,576 671 4,648 510 303	154	13, 268, 398 11, 042, 855 4, 799, 464 32, 042, 472 3, 450, 774 2, 007, 356 66, 611, 319	4, 057 6, 553 2, 031 22, 402 1, 721 559 37, 323	237 482 1,194 52 534 98 2,597	16, 727, 191 28, 499, 750 9, 823, 314 105, 184, 743 7, 392, 682 2, 488, 973 170, 116, 653
Batteries Refrigerators, vacuum cleaners and appliances Machinery, heavy, electrical	80 7' 80 12' - 18	1,618 5,268 5,311 5,892	671 1,525 1,760 2,142	3, 389, 790 11, 584, 513 37, 595, 159 39, 175, 151 41, 848, 385	8,875 5,873 12,321	1,387 1,689 5,987 5,771	5,743,960 26,338,658 43,777,601 38,755,244 68,648,628
	Bicycles and parts Boat building Motor vehicles Motor vehicle parts Railway rolling stock Shipbuilding Miscellaneous transportation equipment Totals 2. Non-ferrous metal products: Aluminum products Brass and copper products Jewellery and silverware Non-ferrous metal smelting and refining White metal alloys Miscellaneous non-ferrous metal products Totals 3. Electrical apparatus and supplies: Batteries Refrigerators, vacuum cleaners and appliances Machinery, heavy, electrical Telecommunication equipment Miscellaneous electrical apparatus and supplies miscellaneous electrical apparatus and supplies	Bicycles and parts 225	Bicycles and parts	All color of the	All color of the	All clark and parts 4 100 68 911, 978 318	All color of the

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1959 — Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	3.7
number			dollars			No
17, 561 65, 028 2, 176 9, 466	63, 296, 980 322, 311, 304 9, 625, 754 35, 130, 468	2,351,056 108,859,319 724,213 1,616,896	188, 877, 337 628, 269, 346 23, 682, 362 94, 500, 068	121,017,281 761,035,456 17,000,332 81,525,328	309, 442, 911 1, 499, 585, 644 41, 409, 899 176, 860, 714	1 2 3 4
94, 231	430, 364, 506	113, 551, 484	935, 329, 113	980, 578, 397	2, 027, 299, 168	5
27, 097 1, 106	106, 671, 271 5, 391, 374	2, 409, 317 67, 070	104, 243, 189 612, 554	178, 605, 478 7, 950, 237	283, 848, 120 8, 603, 061	67
4, 146 4, 544	21, 620, 213 20, 248, 394	413, 562 384, 477	8, 257, 794 26, 571, 749	32, 221, 552 33, 009, 087	40,628,328 59,231,245	8
30,877 6,156	135, 371, 595 18, 961, 346	2, 703, 896	91, 392, 852 36, 226, 896	253, 712, 698 47, 388, 865	347, 705, 153 83, 615, 761 ²	10
73, 926	308, 264, 193	5, 978, 322	267, 305, 034	552, 887, 917	823, 631, 668	12
13, 579 7, 666 14, 725 15, 711 14, 186 9, 136 8, 456 24, 805 7, 167 1, 014 34, 942 20, 781	61, 741, 134 33, 403, 400 69, 341, 631 67, 876, 410 56, 324, 734 36, 262, 945 35, 962, 341 107, 314, 000 22, 442, 368 4, 532, 800 182, 910, 151 90, 121, 171 45, 675, 566 41, 537, 036	2, 471, 815 1, 462, 128 2, 001, 209 4, 895, 044 2, 394, 608 1, 670, 572 1, 026, 888 3, 548, 894 1, 254, 262 165, 982 36, 076, 238 3, 680, 504 2, 464, 283 2, 932, 595	101, 278, 108 54, 463, 002 102, 852, 464 137, 379, 005 64, 550, 365 74, 883, 959 69, 880, 576 147, 849, 567 22, 898, 031 5, 118, 182 354, 160, 093 196, 717, 228 98, 130, 789 56, 160, 489	78,006,598 53,553,524 112,796,871 117,290,636 106,251,322 71,437,085 70,368,271 199,529,990 44,086,614 5,606,880 393,807,515 110,386,455 71,998,710 72,142,787	170, 742, 821 107, 881, 063 217, 650, 544 254, 948, 289 170, 483, 914 144, 205, 438 141, 218, 274 343, 494, 959 67, 700, 975 10, 892, 562 782, 494, 003 365, 558, 129 169, 927, 054 130, 430, 179	13 14 15 16 17 18 19 20 21 22 23 24 25 26
10, 291 192, 969	861, 445, 687	66, 045, 022	1, 486, 321, 858	1, 567, 673, 258	3, 077, 628, 204	27
28, 516 741 1,774 28, 461 18, 885 20, 248 14, 291 690	142, 484, 904 3, 086, 697 5, 555, 180 146, 956, 325 85, 188, 507 83, 680, 309 62, 100, 539 2, 525, 126	3, 684, 751 112, 086 247, 336 5, 922, 223 4, 506, 894 3, 566, 466 2, 045, 530 97, 921	127, 937, 264 2, 420, 482 5, 923, 804 591, 068, 962 173, 770, 732 163, 814, 494 50, 452, 695 4, 894, 154	195, 911, 616 5, 944, 202 8, 410, 720 353, 765, 632 151, 495, 727 99, 487, 140 90, 628, 521 5, 303, 775	327, 533, 631 ² 7, 610, 181 14, 589, 718 928, 949, 639 323, 420, 389 266, 868, 100 ² 143, 126, 746 ² 10, 097, 301	29 30 31 32 33
113, 606	531, 587, 587	20, 183, 207	1, 120, 282, 587	910, 947, 333	2, 022, 195, 705	36
6, 787 9, 196 4, 318 27, 746 2, 919 1, 059	29, 995, 589 39, 542, 605 14, 622, 778 137, 227, 215 10, 843, 456 4, 496, 329	2,097,985 2,850,893 374,512 62,320,376 1,088,723 284,907	63, 956, 586 124, 849, 456 30, 654, 887 815, 787, 699 32, 862, 935 7, 939, 441	42, 473, 372 75, 762, 348 23, 986, 910 429, 888, 766 19, 973, 054 8, 786, 387	106, 411, 905 200, 287, 367 54, 703, 327 1, 307, 996, 841 53, 554, 334 17, 499, 279	38 39 40 41
52, 025	236, 727, 972	69, 017, 396	1, 076, 051, 004	600, 870, 837	1, 740, 453, 053	43
2, 223 9, 246 17, 357 18, 931	9, 133, 750 37, 923, 171 81, 372, 760 77, 930, 395	556, 318 1, 939, 680 2, 563, 069 1, 271, 687	23, 477, 934 81, 433, 814 92, 558, 152 117, 599, 255	19, 225, 772 82, 339, 474 143, 156, 069 117, 788, 500	42, 106, 864 161, 393, 328 233, 675, 890 225, 070, 764	45
26, 126	110, 497, 010	3, 846, 401	186, 720, 523	203, 783, 466 566, 293, 281	385, 215, 432 1, 047, 462, 278	

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1959 - Concluded

_	of the Manufacturing Industries, 1959 - Concluded										
	Industries	Estab-	Administra	tive and offi	ce employees1	P	roduction wo	rkers			
No.	21445	ments	Male	Female	Salaries	Male	Female	Wages			
1 2 3 4 5 6 7 8 9 10 11 12 13	Abrasives, artificial Asbestos products Cement, hydraulic Clay products from domestic clay Clay products from imported clay Concrete products Glass and glass products Gypsum products Lime Salt Sand-lime brick Stone products Miscellaneous non-metallic mineral products Totals	18 16 19 116 36 682 101 13 40 15 4 136 55	number 457 307 533 540 311 2, 168 1, 051 347 126 206 14 522 22 260 6, 842	188 121 97 114 105 447 494 110 31 52 1 117 81	\$ 3, 481, 202 2, 176, 164 3, 860, 087 3, 315, 394 2, 148, 214 12, 503, 912 7, 109, 346 2, 288, 926 627, 663 1, 135, 801 62, 843 2, 976, 298 1, 831, 365 43, 517, 215	num 1,783 1,496 2,883 3,749 1,335 9,895 5,993 1,169 1,117 622 88 1,593 727 32,450	94 152 3 68 291 56 1,304 - 1 46 - 10 74 2,099	\$, 371, 995 6, 977, 990 13, 314, 169 13, 834, 828 6, 248, 731 37, 595, 590 27, 858, 045 4, 892, 867 4, 248, 156 2, 767, 517 342, 792 5, 903, 824 2, 780, 079 135, 136, 583			
15 16 17	15. Products of petroleum and coal: Coke and gas products. Petroleum products Miscellaneous products of petroleum and coal Totals	13 69 30	321 4,860 132 5,313	85 1,450 52 1,587	1,900,383 39,903,640 891,649 42,695,67 2	1, 765 7, 775 278 9, 818		8, 440, 590 41, 651, 127 1, 108, 987 51 , 200, 704			
19 20 21 22 23 24 25 26 27 28 29 30 31 32	16. Chemicals and allied products: Acids, alkalies and salts Fertilizers Medicinal and pharmaceutical preparations Paints, varnishes and lacquers Primary plastics Soaps, washing compounds and cleaning preparations Toilet preparations Vegetable oils Other chemical industries: Adhesives Coal tar distillation Gases, compressed Inks Polishes and dressings Miscellaneous chemical products Totals	577 455 1888 1344 34 134 82 10 31 8 577 44 42 271 1,137	2, 787 729 1, 730 1, 848 985 1, 066 398 195 145 151 577 208 3, 150	744 174 1,637 1,007 315 608 509 62 212 212 162 178 1,260 6,991	19, 782, 633 5, 012, 149 16, 723, 102 13, 613, 134 7, 159, 993 8, 705, 016 3, 933, 776 1, 425, 194 1, 237, 859 1, 432, 889 3, 500, 405 1, 818, 455 2, 086, 761 23, 374, 634 109, 806, 000	6, 872 2, 088 2, 443 3, 158 2, 107 1, 918 615 365 362 306 710 673 279 5, 999 27, 895	49 10 2,336 327 62 437 1,083 3 3 31 2 5,35 167 1,183 5,730	33, 745, 150 8, 792, 566 14, 410, 437 13, 010, 985 9, 919, 997 9, 666, 968 4, 316, 128 1, 428, 120 1, 445, 763 1, 319, 484 3, 157, 682 2, 638, 887 1, 379, 406 28, 180, 153 133, 411, 726			
34 35 36 37 38 39 40 41 42 43 44	Ophthalmic goods Orthopaedic and surgical appliances Plastics products Sporting goods Toys and games Typewriter supplies Other miscellaneous industries:	37 16 79 24 38 36 204 94 69	65 892 345 221 68	205 125 130 854 93 124 39 416 200 150 53	2, 245, 673 1, 402, 960 1, 632, 827 15, 981, 372 1, 158, 170 1, 148, 475 428, 439 6, 167, 426 2, 419, 240 1, 836, 659 637, 142	1, 128 307 267 2, 888 927 518 111 2, 917 1, 244 856 187	547 403 503 1, 172 296 219 128 1, 777 663 1, 407 110	4, 051, 499 2, 322, 515 1, 929, 155 15, 383, 583 4, 116, 370 2, 014, 730 581, 557 13, 309, 297 5, 266, 201 4, 809, 234 817, 112			
45 46 47 48 49 50 51 52 53 54 55	Buttons, buckles and fasteners Candles Hair goods Ice, artificial Lamps electric and lamp shades Models and patterns, excluding paper Pipes, lighters and smokers' supplies Signs, electric, neon and other Stamps and stencils, rubber and metal Statuary, art goods, regalia and novelties Umbrellas	44 23 10 46 59 75 13 346 67 91	181 41 16 81 125 111 31 813 190 140	126 30 8 29 90 18 28 244 88 50 2	1,499,860 357,236 128,780 451,218 962,263 686,341 211,525 5,109,284 1,335,971 707,870 105,376 1,756,412	514 112 56 277 520 502 52 2,566 572 320 21 735	715 68 14 454 6 42 236 118 266 85 625	3, 230, 981 482, 489 200, 601 920, 750 2, 322, 447 2, 394, 021 2, 239, 263 1, 372, 527 189, 434 3, 586, 903			
58	Totals	1, 563			48, 719, 292	17,743		82, 662, 386			
59	Grand totals, all industries	36, 193	220, 871	85,178	1,529,617,999	785, 971	211, 936	3, 543, 455, 707			

Includes about 25,000 "Working proprietors".
 Reported on a production basis.

TABLE 11. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1959 — Concluded

	of the	manuracturing indi	istries, 1959 - Conc			
Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			
2,522 2,076 3,516 4,471 2,042 12,566 8,842 1,626 1,275 926 103 2,242 1,142	11, 853, 197 9, 154, 154 17, 174, 256 17, 150, 222 8, 396, 945 50, 099, 502 34, 967, 391 7, 181, 793 4, 875, 819 3, 903, 318 405, 635 8, 880, 122 4, 611, 444	5,022,388 897,813 17,309,329 6,446,705 1,005,915 6,892,702 4,948,320 1,465,057 5,056,570 1,193,656 55,625 1,278,454 895,449	17, 783, 503 13, 676, 667 13, 269, 944 1, 371, 977 6, 021, 398 99, 828, 430 42, 896, 582 15, 966, 506 1, 455, 072 3, 419, 626 308, 792 11, 048, 447 13, 876, 400	21, 249, 607 17, 182, 668 67, 612, 521 35, 592, 292 17, 046, 941 102, 590, 965 61, 670, 605 18, 234, 955 15, 602, 172 15, 843, 873 703, 112 14, 606, 867	44, 226, 296 30, 883, 070 98, 777, 937 42, 515, 448 207, 906, 250 107, 737, 430 35, 461, 217 22, 130, 956 20, 224, 407 1, 064, 256 30, 378, 740 28, 984, 729	1 2 3 4 5 6 7 8 9 10 11 12 13
43,349	178, 653, 798	52,467,983	240, 923, 344	405, 956, 730	694, 237, 680	14
2,171 14,142 462 16,775	10, 340, 973 81, 554, 767 2, 000, 636 93, 896, 376	5,604,543 51,967,235 327,083 57,898,861	64, 460, 331 863, 895, 812 7, 832, 195 936, 188, 338	26, 894, 464 244, 973, 628 ³ 6, 676, 320 278, 544, 412 ³	96, 410, 654 1, 156, 912, 043 ² , ³ 14, 684, 752 1, 268, 007, 449 ³	15 16 17 18
10,452 3,001 8,146 6,340 3,469	53, 527, 783 13, 804, 715 31, 133, 539 26, 624, 119 17, 079, 990	27, 985, 958 3, 355, 005 1, 074, 857 986, 187 3, 330, 095	127, 361, 965 50, 470, 120 48, 510, 551 72, 959, 855 57, 802, 935	142, 409, 802 40, 732, 905 116, 977, 106 74, 316, 626 43, 779, 167	297, 482, 108 96, 278, 304 164, 733, 036 148, 618, 625 103, 538, 744	19 20 21 22 23
4,029 2,605 625	18, 371, 984 8, 249, 904 2, 853, 314	1,481,707 202,010 845,281	57, 140, 830 19, 949, 461 46, 989, 078	76, 921, 806 35, 023, 620 9, 914, 597	137, 077, 986 54, 536, 984 57, 677, 128	24 25 26
629 491 1,504 1,067 832 11,592	2, 683, 622 2, 752, 373 6, 658, 087 4, 457, 342 3, 466, 167 51, 554, 787	370, 512 747, 643 987, 416 180, 053 146, 707 8, 898, 828	7,597,580 7,647,291 4,536,655 8,548,391 10,922,886 106,928,274	6,807,070 4,849,644 21,594,318 10,789,590 13,874,170 103,489,578	14,638,817 13,267,489 27,075,869 19,475,905 24,723,562 219,086,473	27 28 29 30 31 32
54,782	243, 217, 726	50,592,259	627, 365, 792	701, 479, 999	1, 378, 211, 030	33
2, 187 999 1, 082 7, 075 1, 461 1, 039 343 6, 002 2, 452 2, 634 418	6, 297, 172 3, 725, 475 3, 561, 982 31, 364, 955 5, 274, 540 3, 163, 205 1, 009, 996 19, 476, 723 7, 705, 441 6, 645, 893 1, 454, 254	198,564 55,803 87,633 725,497 196,164 93,200 28,037 1,009,497 260,091 254,575 55,791	8,577,784 8,018,809 5,542,835 42,406,522 5,614,610 3,380,748 863,030 44,430,619 9,777,475 12,568,580 3,290,258	10,823,023 7,537,708 7,733,578 54,550,893 12,456,460 3,903,702 1,667,973 41,601,355 17,179,918 12,830,582 3,265,130	19, 499, 791 15, 739, 349 13, 232, 667 95, 968, 650 18, 129, 013 7, 464, 348 2, 541, 067 85, 808, 972 26, 804, 673 25, 148, 933 6, 563, 245	34 35 36 37 38 39 40 41 42 43 44
488 1,536 251 94 387 1,189 637 153 3,859 968 776 126 1,730	1, 148, 039 4, 730, 841 839, 725 329, 381 1, 371, 968 3, 284, 710 3, 080, 362 497, 184 15, 126, 076 3, 575, 234 2, 080, 397 294, 810 5, 343, 315	20, 622 133, 484 54, 425 29, 086 408, 510 88, 309 78, 801 20, 260 743, 784 91, 769 67, 510 8, 499 199, 320	966, 390 5, 964, 063 1, 238, 045 387, 865 241, 470 6, 829, 630 1, 152, 658 1, 028, 433 12, 443, 753 2, 282, 475 1, 976, 624 559, 305 5, 693, 166	2,383,636 7,690,111 1,726,317 487,960 2,510,016 6,406,806 4,786,218 1,081,491 25,292,976 4,997,480 3,600,180 537,906 11,187,119 246,238,538	3, 364, 737 13, 952, 033 3, 027, 059 881, 747 3, 169, 839 13, 371, 570 6, 023, 461 2, 435, 919 38, 332, 099 7, 367, 331 5, 588, 008 1, 092, 807 16, 921, 203	45 46 47 48 49 50 51 52 53 54 55 56 57
37,886	131, 381, 678	4, 910, 231	185, 235, 197	10, 320, 962, 881	23, 311, 601, 481	59
1, 303, 956	5, 073, 073, 706	568, 880, 162	12,552,200,543	10, 360, 906, 551	20,022,001,201	

³ See footnote 7, Table. 1.

Table 12 gives the amount and value of each of the principal commodities produced or shipped by the manufacturing industries of Canada, Commodities produced in small quantities

are not included but the list covers approximately 75 p.c. of total production. For a complete list of products, see Appendix II of this report.

TABLE 12. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1959

Note: Since 1952 the basis of collection is "Value of factory shipments" instead of "Gross value of products". However, the commodities

	Unit of measure	Quantity	Value
	11000000		\$
ood: Biscuits, all kinds	lb.	252, 139, 927	75, 254, 22
Bread	ton	826, 738	206, 597, 95
Bread Butter, factory made	1b.	330, 684, 203 193, 893, 028	210, 726, 34 71, 401, 69
Coffee and tea, blended, roasted and packed	44	10, 062, 133	23, 395, 48 102, 767, 38 93, 122, 51
Coffee and tea, blended, roasted and packed	66	126, 224, 660 220, 455, 434	102, 767, 38
Confectionery, all kinds		220, 455, 434	48, 811, 20
Feed chopped grain	ton	499, 933	48, 811, 20 26, 896, 79
Feeds, stock and poultry, prepared	44	2, 886, 609	244, 913, 85
Cream, Sold by darry factories Feed, chopped grain Feeds, stock and poultry, prepared Fish, canned and otherwise prepared Flour, wheat Fruits and vegetables, canned Fruits and vegetables, frozen	cwt.	40, 626, 516	80, 889, 00 171, 427, 09
Fruits and vegetables, canned	lb.	626, 932, 637 73, 005, 017 38, 236, 652	86, 444, 7
Fruits and vegetables, frozen	gal.	38, 236, 652	13, 283, 8 63, 503, 43 23, 324, 73
Jams, jellies and marmalades		113, 011, 952	23, 324, 73
Lard	44	113, 011, 952 143, 132, 536 167, 134, 426 185, 782, 523 314, 018, 819	14,668,58 36,771,0
Margarine and margarine substitutes	44	185, 782, 523	99, 559, 84
Jams, jellies and marmalades Lard Margarine and margarine substitutes Meats, canned, including poultry, pastes, etc. Meats, cooked, including sausage, weiners, etc. Meats, cured and smoked Meats, sold fresh and frozen, including poultry Milk, sold by dairy factories Milk, evaporated and condensed Pickles, relishes and catsup	44	314,018,819	36, 771, 02 99, 559, 84 130, 773, 17 136, 512, 80
Meats, cured and smoked	61	276, 166, 962 1, 727, 115, 159	654, 047, 83
Milk, sold by dairy factories	gal.	1, 727, 115, 159 367, 104, 710	654, 047, 8 292, 946, 0 42, 266, 8
Milk, evaporated and condensed	lb.	330, 541, 375	31 014 26
Pies, cakes and pastry	atives	-	91, 940, 64 59, 175, 20
Pickles, relishes and catsup Ples, cakes and pastry Powders, edible (custard, jelly, milk, etc.)	lb.	105 702 057	59, 175, 20 36, 507, 5
Shortening Source canned (except infants')	ID.	165, 793, 957 267, 196, 927 1, 419, 715, 164	47, 180, 5
Soups, canned (except infants') Sugar, granulated (cane and beet)	6.6	1, 419, 715, 164	101, 294, 86
Severages:	go1	235, 183, 805	388, 131, 49
severages: Beer, ale, stout and porter (sales) Beverage spirits sold (net sales) Carbonated beverages	gal. pf. gal.	16, 173, 426	132, 957, 5
Carbonated beverages	gal.	16, 173, 426 157, 462, 782 6, 519, 347	132, 957, 5 142, 735, 8 16, 864, 1
Wine sold	Imp. gal.	6, 519, 347	10,004,10
Obacco and tobacco products:	М	34, 273, 043	493, 910, 6 23, 014, 3
Cigars	M	313, 472	23, 014, 3
Cigars Tobacco, chewing, smoking and snuff Tobacco, raw leaf, processed*	lb.	23, 995, 631 177, 145, 084	63, 498, 8 112, 203, 3
Cextile products, except clothing:		400.050.504	00 075 1
Blags, cotton and jute	No.	128, 659, 584	23, 075, 1 14, 069, 0
Carpets, mats and rugs	-	-	14, 069, 0 31, 113, 0
Cotton fabrics	yd.	90, 917, 327	110, 402, 8
Tire fabrics	lb.	29, 043, 808	64, 226, 9 27, 174, 8
Twine and cordage	_	-	15,012,8
rextile products, except clothing: Bags, cotton and jute Blankets Carpets, mats and rugs Cotton fabrics Synthetic woven fabrics, all types Tire fabrics Twine and cordage Woven fabrics, wool or containing wool Yarns, cotton, rayon, wool, etc. (for sale)	=	_	42, 575, 1 164, 758, 9
Clothing:	27-	504 (21	14 700 1
Coats wool women's and misses'	No.	504, 631 1, 422, 975	14, 782, 1 36, 045, 1
Coats, fur, women's (factory made)	11	215, 028	49, 657, 7
Coats and overcoats, cloth, men's and youths' Coats, wool, women's and misses' Coats, fur, women's (factory made) Short coats (including windbreakers, mackinaws, parkas, leather coats, etc.) Dresses, women's and misses' Footwear, leather	doz.	569, 528 12, 632, 566	38, 406, 1 90, 929, 3
Footwear, leather	pr.	37, 740, 294	146,070,1
Footwear, rubber	doz. pr.	9, 948, 946 1, 309, 000	146, 070, 1 24, 952, 2 10, 040, 4
Hats and caps, men's	doz. pr.	672,856	11, 511, 4 13, 822, 5
Hats, women's and children's	don ==	430,754	13,822,5 65,909,9
Hostery, all kinds	doz. pr. doz.	11,805,628 2,553,163	56,691,9
Sport suits, slacks and other sport clothing, n.e.s.	-	ens	56,691,9 28,708,2 57,212,0
Footwear, leather Footwear, rubber Cloves and mittens, all kinds Hats and caps, men's Hats, women's and children's Hoslery, all kinds Shirts, fine, work and sport Sport suits, slacks and other sport clothing, n.e.s. Sutts, men's and youths' fine wollen Underwear	No.	1,675,491	57, 212, 6
Wood products:			
Boxes, wooden	14 64 h m	1 251 000	9,757,4 98,423,5
Lumber planed	MITTED TO I	1,351,909 7,598,114	490, 852, 8
Lumber, Sawn* Pulp, wood, made for sale Sash, doors and other mill work			

TABLE 12. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1959 - Concluded

	Unit of measure	Quantity	Value
Paper products:			
Bags, paperBoxes, paper	1	_	62,350,807 221,543,640 147,067,000
Paper boards, all types (basic)* Paper, book and writing (basic)* Paper, newspring (basic)* Paper, wrapping (basic)*	ton.	1,041,000	147, 067, 000
Paper, book and writing (basic)* Paper, newspring (basic)*	. 66	382,000 6,351,000	101, 928, 000 730, 455, 000
Paper, wrapping (basic)*		330, 000	71, 318, 000
Printing, publishing and allied industries: Books and catalogues, printed and bound	_	_	40 500 404
Other advertising matter, printed Periodicals printed for publishers	_		40,599,424 56,998,721
Periodicals printed by publishers:	1	-	29, 823, 956
Subscriptions and sales Gross revenue from advertising		_	79, 445, 534 223, 088, 250
Sheet forms commercial, legal, etc. printed	: =	dition of the control	143, 222, 466
Iron and steel products: Bars, Iron and steel, hot rolled (sold)	ton	795, 274	110 000 000
Boilers, heating and power	. No.	20, 354	116,993,886 34,414,475
Castings, grey Iron, made for sale		_	41, 309, 356 148, 537, 360
Forgings steel and other		_	29, 164, 520
Hardware, builders', pole line and other Machinery, industrial, household, office and store and parts		_	52,641,000 692,737,000 36,280,610
Pig iron (sold)	. ton	662,341	36, 280, 610 181, 926, 000
Pipes, tubing and fittings, iron and steel	. net ton	325, 993	32,821,954
Sheets, bars and other cold-rolled products, sold		1,241,333 298,249	223, 534, 829 59, 005, 124
Steel ingots and castings, sold		464,598	177, 528, 209
Steel shapes, structural, made in primary mills Stoves, coal, wood, electric and gas		265, 194	177, 528, 209 34, 528, 656 57, 516, 208 39, 039, 879
Tools and implements, hand, all kinds and parts Wire, wire rope and cable, steel		_	39, 039, 879 57, 974, 526
Transportation equipment:			
Aircraft, completed in year* Automobiles, commercial	No.	66,983	114, 574, 066
Automobiles, passenger		296, 943	611, 317, 642
Automobile parts and accessories, including tires Buses	No.	288	163, 483, 274 611, 317, 642 529, 823, 000 7, 022, 866
Cars, railway, complete, freight and passenger*		3,585 375	40, 370, 183 66, 573, 422
Cars, railway, complete, freight and passenger* Locomotives, diesel-electric, new* Ships and ship repairs*	: -	212	224, 964, 506
Non-ferrous metal products: Jewelry	_	atomic .	23, 447, 193
Kitchenware, aluminum		=	6,500,544 7,278,996
Silverware Smelter and refinery products*	: =	=	1, 307, 996, 841
Electrical apparatus and supplies: Batteries, electric, storage			28,019,953
Radio receiving sets, complete	. No.	713,309 256,778	24, 485, 277 44, 548, 660
Refrigerators, household, mechanical Television sets		402,348	64, 524, 130
Wires and cables, electric	-	-	150, 573, 693
Non-metallic mineral products: Abrasives, artificial	. ton	238, 567	28, 074, 452
Coke, gas-house* Concrete, ready-mixed Gas, manufactured and natural, sold*	cu. yd.	4,089,833 8,179,831	65, 148, 555 99, 926, 979 162, 029, 267
Gas, manufactured and natural, sold* Glass, pressed and blown (bottles, sealers, ovenware, etc.)	M cu. ft.	284, 721, 088	162, 029, 267 62, 393, 205
Chamicals and allied products:			52 175 300
Calcium and sodium compounds Fertilizers, mixed	ton	757,000	52, 175, 390 41, 498, 000
Medicinal and pharmaceutical preparations		_	41, 498, 000 154, 334, 000 140, 620, 000
Paints, enamel and varnishes Synthetic resins		gane	73,827,000 95,350,000
Soaps and synthetic detergents Toilet preparations	. -	=	68, 926, 562
Miscellaneous; Bags, hand and hand luggage		_	15, 815, 387
Brooms and household brushes		-	4, 943, 328 78, 877, 549
Cans, metal, for food Furniture, wood and metal	·	00 000 040	187, 562, 196 509, 780, 585
Gasoline*	. DDI.	98, 055, 040	44,700,004
Leather, shoe Mattresses	. -	-	25 750 387
Mops, floor	bbl.	117, 015, 094	412, 934, 734
Oil, fuel (made for sale)* Pianos, organs and parts		_	2, 856, 294 412, 934, 734 6, 023, 254 82, 043, 314
Scientific and professional equipment		-	30, 638, 959
Sporting goods Springs, bed and other furniture			16, 156, 308 31, 267, 483
Toys and games			

Subsection 2. Manufactures Classified on the Chief Component Material Classification Basis

For the most purposes a classification of manufacturing industries based upon "chief component materials" has, in the past, proved most useful in Canadian industrial classification. For this reason the Bureau's classification based upon this concept has been the one most widely used for general purposes such as the Decennial Census, Vital Statistics, foreign Trade, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of a group "Textile Products", composed partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, i.e., when its final products are chiefly such items as pig Iron, lumber and processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however, turning out more and more goods for final consumption, the combination of ingredients in such output becomes more and more complex. The modern automotive, aircraft, shipbuilding, and electrical apparatus industries are examples in which a wide variety of materials must be assembled for the completion of the final product.

In recent years Canada's industrial system has undergone considerable development. Consequently in establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as Foods and Beverages, Clothing, Transportation Equipment, Electrical Apparatus and Supplies, have been established.

TABLE 13. Principal Statistics of the Manufacturing Industries, classified on the Chief Component Material
Classification Basis, by Main Groups, Significant Years, 1917-59

Classification Basis, by Main Groups, Significant Years, 1911-19										
Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products				
	nun	nber		doll	ars					
1917										
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	4, 151 5, 486 1, 033 7, 258 1, 495 296 1, 075 539 512	62, 791 46, 994 76, 315 153, 701 161, 745 18, 220 20, 781 56, 153 9, 823	45, 916, 557 35, 753, 133 47, 386, 592 115, 198, 434 161, 875, 426 15, 898, 890 18, 224, 724 51, 505, 484 6, 042, 604	367, 214, 061 320, 302, 039 131, 071, 158 150, 122, 143 378, 193, 116 46, 445, 469 36, 994, 392 99, 068, 092 10, 268, 341	183, 782, 501 124, 103, 990 109, 227, 157 249, 201, 596 371, 792, 489 41, 039, 351 58, 092, 396 131, 381, 995 12, 510, 505	550, 996, 562 444, 406, 029 240, 298, 315 399, 323, 739 749, 985, 605 87, 484, 820 95, 0 86, 788 230, 450, 087 22, 778, 846				
Totals	21, 845	606, 523	497, 801, 844	1, 539, 678, 811	1, 281, 131, 980	2, 820, 810, 791				
1920 Vegetable products Animal products Textiles and textile products Wood and paper products	4, 549 4, 823 1, 304 7, 881	74, 241 48, 687 87, 730 144, 391 164, 087	77, 750, 189 54, 291, 606 84, 433, 609 172, 368, 578 231, 565, 911	536, 828, 044 400, 496, 354 256, 233, 300 309, 813, 724 377, 499, 134	239, 328, 371 152, 995, 130 173, 741, 035 417, 256, 115 411, 875, 057	776, 156, 415 553, 491, 484 429, 974, 335 727, 069, 839 789, 374, 191				
Iron and its products Non-ferous metal products Non-metallic mineral products Miscellaneous industries Miscellaneous industries	1,789 324 846 464 552	23, 162 25, 500 17, 653 13, 442	172, 368, 578 231, 595, 911 27, 895, 343 32, 351, 764 22, 193, 421 14, 613, 455	48, 434, 120 69, 856, 558 62, 644, 608 23, 465, 807	52, 847, 178 80, 205, 472 65, 183, 212 27, 841, 778	101, 281, 298 150, 062, 030 127, 827, 820 51, 307, 585				
Totals	22, 532	598,893	717, 493, 876	2, 085, 271, 649	1, 621, 273, 348	3, 706, 544, 997				
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	5, 350 4, 490 1, 534 7, 392 1, 224 408 843 554 421	91, 032 67, 570 103, 881 164, 572 142, 772 39, 867 29, 257 16, 694 10, 786	95, 853, 121 62, 081, 423 94, 969, 433 192, 088, 948 203, 740, 658 54, 501, 806 38, 958, 390 22, 639, 449 12, 457, 989	431, 595, 751 345, 351, 882 217, 954, 088 313, 797, 201 405, 818, 468 124, 900, 632 112, 573, 103 55, 184, 337 22, 495, 351	341, 688, 938 127, 929, 857 180, 469, 064 381, 485, 477 367, 465, 582 150, 415, 215 99, 065, 847 78, 785, 911 28, 081, 046	783,706,883 477,761,855 403,205,809 724,972,308 790,726,338 283,545,666 229,774,300 138,545,221 51,207,736				
Totals	22, 216	666, 531	777, 291, 217	2, 029, 670, 813	1, 755, 386, 937	3, 883, 446, 116				
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	5, 916 4, 496 1, 740 7, 891 1, 334 478 770 696 459	53, 111 95, 707 105, 080 73, 348 25, 273 16, 975 15, 397	68, 535, 349 46, 453, 188 72, 813, 424 102, 18, 652 72, 296, 179 28, 099, 026 19, 282, 401 18, 738, 629 7, 810, 976	226, 879, 373 179, 429, 948 143, 184, 861 134, 663, 641 98, 793, 191 71, 990, 608 69, 077, 701 34, 271, 854 9, 497, 751	196, 820, 952 87, 629, 444 131, 065, 992 184, 233, 540 109, 198, 168 88, 427, 984 52, 817, 078 55, 394, 284 14, 083, 738	432, 315, 617 271, 068, 210 279, 475, 267 341, 336, 701 216, 828, 992 164, 765, 604 131, 325, 706 92, 820, 761 24, 138, 927				
Totals			436, 247, 824	967, 788, 928	919, 671, 181	1, 954, 075, 785				

TABLE 13. Principal Statistics of the Manufacturing Industries, classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-59 — Concluded

Chaptication 2535, 23 mem Groups, Significant Teats, 1917-35 — Concruded										
Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products				
1939	num	ber		dol	lars					
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-emballic mineral products Chemicals and allied products Miscellaneous industries	5,872 4,362 1,930 8,538 1,394 526 809 808 566	99, 447 69, 358 121, 022 144, 782 121, 041 44, 563 23, 026 22, 595 12, 280	104,248,785 68,231,871 107,117,035 165,287,455 158,559,728 59,684,858 30,067,934 31,567,558	356,726,153 333,647,306 203,618,197 246,292,820 262,292,781 242,063,177 107,979,292 65,230,839 18,308,810	292, 129, 840 122, 821, 410 181, 927, 898 303, 662, 441 275, 774, 796 155, 808, 806 85, 511, 631 89, 046, 832 24, 368, 247	659,624,014 461,983,262 392,657,759 579,892,183 553,468,880 416,060,459 208,166,781 159,536,984 43,393,206				
Totals	24,805	658,114	737, 811, 153	1,836,159,375	1,531,051,901	3, 474, 783, 528				
1944										
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	5,941 4,388 2,481 10,452 2,192 635 748 981 665	130,679 94,195 153,122 189,674 411,944 104,314 31,590 81,822 25,542	183,943,948 129,215,389 195,805,681 284,436,559 818,452,454 182,909,292 56,130,338 137,422,977 41,304,732	763,606,750 835,586,247 419,988,642 497,656,158 1,104,083,922 549,317,062 234,714,319 360,412,749 66,967,507	485,551,491 246,064,720 351,186,488 550,826,986 1,390,703,087 399,498,519 152,525,053 355,260,598 84,159,068	1,270,518,297 1,092,015,647 781,771,688 1,093,725,822 2,540,992,974 992,345,975 416,268,879 733,569,232 152,484,005				
Totals	28,483	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519				
1949										
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	5,903 4,231 3,234 15,866 2,658 897 1,097 1,022 884	143,032 102,657 186,328 262,835 265,474 100,614 42,691 40,499 27,077	285,536,723 197,189,519 342,930,642 579,896,808 678,924,105 251,869,627 104,377,854 98,568,559 52,596,820	1,236,409,496 1,158,872,220 669,108,586 1,061,229,176 1,197,956,715 749,678,627 469,437,193 238,377,149 62,161,902	754,329,727 369,545,771 606,402,697 1,184,539,519 1,219,303,992 558,467,028 261,691,705 279,038,860 97,247,135	2,020,565,833 1,543,930,584 1,290,314,474 2,325,304,849 2,468,376,349 1,353,329,383 780,188,518 536,156,674 161,426,636				
Totals	35, 792	1,171,207	2,591,890,657	6,843,231,064	5, 330, 566, 434	12,479,593,300				
1954¹										
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	5,825 3,689 3,407 17,198 3,166 1,030 1,264 1,104 1,345	145,842 100,352 169,465 287,317 304,728 125,569 52,788 50,935 30,970	400,492,625 259,157,349 391,920,356 881,030,481 1,078,530,027 440,700,922 184,530,804 174,849,466 85,475,661	1,459,144,653 1,310,727,221 723,169,806 1,561,744,936 1,808,728,716 1,114,549,500 770,531,901 391,963,368 101,297,453	1,067,282,575 480,458,187 632,435,702 1,763,010,994 1,777,079,766 949,893,993 615,324,067 467,919,639 148,719,214	2,563,927,081 1,813,185,823 1,378,303,384 3,430,311,344 3,651,360,402 2,127,716,961 1,456,119,348 882,604,171 250,998,990				
Totals	38, 028	1,267,966	3,896,687,691	9, 241, 857, 554	7, 902, 124, 137	17, 554, 527, 504				
19591										
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	5,736 3,659 3,062 14,951 3,666 1,076 1,363 1,127 1,553	149,143 111,314 166,995 293,722 304,801 125,908 60,124 54,157 37,792	522, 262, 289 369, 907, 689 463, 828, 087 1, 132, 045, 606 1, 387, 478, 094 553, 585, 058 272, 550, 174 240, 364, 412 131, 052, 297	1,749,877,282 1,821,569,700 889,974,654 1,969,911,856 2,600,680,601 1,577,850,682 1,177,111,722 580,376,714 184,847,332	1,424,091,920 659,817,208 791,129,616 2,186,733,026 2,470,209,871 1,167,164,118 684,501,142 691,565,402 245,750,578	3, 230, 075, 138 2, 514, 919, 044 1, 688, 475, 623 4, 290, 656, 349 5, 085, 234, 191 2, 787, 915, 331 1, 962, 245, 129 1, 320, 533, 902 431, 546, 774				
Totals	36, 193	1,303,956	5, 073, 073, 706	12, 552, 200, 543	10, 320, 962, 881	23, 311, 601, 481				

¹ In 1952 the basis of collection was changed from "Value of products made" to "Value of factory shipments".

Subsection 3. Manufactures Classified by Origin of Materials

The distinction made between farm materials of Canadian and foreign origin is based on whether the materials are indigenous to Canada rather than on their actual source. Thus, the industries included in the foreign origin classes are those depending upon materials that cannot be grown in Canada, such as tea, coffee, spices, cane sugar, rice, rubber, cotton, etc. Industries included in the Canadian origin classes may, however, be using large quantities of imported materials.

The mineral origin group includes, in addition to nonferrous metals so largely produced in Canada, the manufactures of iron and steel, or petroleum, and of other mineral substances, the raw materials for which are very largely imported. Products of mineral origin, with the exception of fuels, are nearly all durable goods. A high standard of living and advanced industrial organization is usually indicated by relatively large production and consumption of mineral products. During periods of depression when the production of capital goods is curtailed, employment in the industries of the farm group, which produce mainly consumer goods, exceeds that of the mineral group. The industries of the mineral group in 1943, at the maximum of the war effort, had by far the greatest capital investment, employed the largest number of persons, and paid out the highest amount in salaries and wages. In 1943 the average capital per employee amounted to \$5,441 for the mineral group as compared with \$4,417 for the farm origin group. The mineral group also pays the highest wages. In 1959 the average salary and wage was \$4,517 for the mineral group and \$3,325 for the farm origin group.

TABLE 14. Principal Statistics of the Manufacturing Industries, classified according to Origin of Material Used, by Main Groups, Significant Years 1924-59

Of materia	i Useu, by h	main Groups, 5				
Year and origin	Estab- lishments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Gross value of products
	No.	\$	No.		dollars	
1924						
Farm origin Mineral origin Forest origin Marine origin Wild life origin Mixed origin	8,663 2,806 6,873 836 226 1,305	772,791,471 1,010,517,944 876,149,932 20,304,785 10,837,249 204,716,127	152, 488 136, 837 126, 907 11, 157 2, 944 57, 277	153, 213, 763 171, 068, 497 147, 719, 245 3, 344, 348 3, 194, 213 55, 927, 609	716,047,892 349,800,585 245,183,429 16,089,332 7,506,169 101,563,384	1,099,279,665 700,002,097 544,282,597 26,637,962 13,386,266 200,718,177
Grand totals	20,709	2,895,317,508	487,610	534,467,675	1,436,190,7911	2,584,306,764 ¹
Farm origin group: From field crop From animal husbandry Totals, farm origin	4,595 4,068 8,663	525,717,571 247,073,900 772,791,471	89,436 63,052 152,488	87,789,237 65,424,526 153,213,763	433,443,376 282,604,516 716,047,892	691,513,259 407,766,406 1,099,279,665
Canadian origin	8,379 284	546, 231, 949 226, 559, 522	114,514 37,974	119,217,657 33,996,106	553,357,833 162,690,009	848, 236, 237 251, 043, 428
1929					050 000 000	1 206 760 560
Farm origin Mineral origin Forest origin Marine origin Wild life origin Mixed origin Mixed origin	9,041 3,219 7,353 730 234 1,639	969,384,866 1,550,662,908 1,148,558,242 28,644,442 14,338,686 293,302,865	181, 682 218, 879 163, 863 16, 367 3, 767 81, 973	188,306,755 304,027,903 191,044,307 5,411,855 4,783,323 83,717,174	852,606,083 678,683,203 313,038,964 21,496,969 12,847,817 150,947,887	1,396,769,569 1,392,499,868 722,269,066 34,966,260 20,361,039 316,080,314
Grand totals	22, 216	4,004,892,009	666,531	777, 291, 217	2,029,670,813	3,883,446,116
Farm origin group: From field crops From animal husbandry Totals, farm origin	5,191 3,850 9,041	697, 206, 163 272, 178, 703 969, 384, 866	114, 236 67, 446 181, 682	115, 201, 292 73, 105, 463 188, 306, 755	496,842,580 355,763,503 852,606,083	889,075,246 507,694,323 1,396,769,569
Canadian origin	8,743 298	708,461,549 260,923,317	134,680 47,002	140, 340, 993 47, 965, 762	682,056,026 170,550,057	1,106,006,184 290,763,385
1933					454 000 504	791, 956, 470
Farm origin Mineral origin Forest origin Marine origin Wild life origin Mixed origin	7, 796 620 335	844,582,058 1,306,641,651 882,445,602 15,532,775 10,507,157 219,550,595	158,602 130,565 102,807 4,064 3,498 69,122	137,711,749 138,101,092 99,045,012 2,287,385 3,481,885 55,619,701	454,882,704 271,434,337 133,550,374 10,960,289 7,159,079 89,802,145	601,428,003 335,886,257 17,380,323 13,000,927 194,423,805
Grand totals		3, 279, 259, 838	468,658	436, 247, 824	967, 788, 928	1,954,075,785
Farm origin group: From field crops From animal husbandry Totals, farm origin	3,949	609, 044, 529 235, 537, 529 844, 582, 058	93,433 65,169 158,602	81,655,182 56,056,567 137,711,749	263,007,043 191,875,661 454,882,704	494,048,930 297,907,540 791,956,470
Canadian origin	9,373 322	629, 450, 643 215, 131, 415	124, 547 34, 055	107,807,386 29,904,363	365,559,776 89,322,928	620, 197, 449 171, 759, 021
1939					##0 050 f05	1 200 002 021
Farm origin Mineral origin Forest origin Marine origin Wild life origin Mixed origin	523	952,929,892 1,498,265,618 951,016,933 21,479,200 14,723,743 208,609,063	210,752 142,091 5,369 4,604	280, 054, 303 160, 798, 500 3, 638, 794 5, 396, 623	669,728,573 244,944,997 18,114,698 11,592,066 113,528,916	1, 321, 444, 094 572, 335, 960 28, 816, 536 19, 961, 526 242, 232, 391
Grand totals		3,647,024,449	658, 114	737,811,153	1,836,159,375	3,474,783,528
Farm origin group: From field crops From animal husbandry Totals, farm origin	. 4,107	303, 183, 406	95,502	91,413,932	367, 255, 664 778, 250, 125	1,289,993,021
Canadian origin			171,460 48,750		630,779,223 147,470,902	

¹ See footnote at end of table.

TABLE 14. Principal Statistics of the Manufacturing Industries, classified according to Origin of Material Used, by Main Groups, Significant Years 1924-59 — Concluded

of Material Use	of Material Used, by Main Groups, Significant Years 1924-59 - Concluded									
Year and origin	Estab- lishments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products				
	numl	ber	***	doll	ars					
1944	1		1							
Farm origin Mineral origin Forest origin Marine origin Wild life origin Mixed origin	10, 329 4, 479 10, 347 535 535 2, 258	287, 756 634, 542 186, 680 9, 664 6, 190 98, 050	394,716,309 1,208,779,764 278,171,969 10,327,695 9,430,191 128,195,442	1, 781, 014. 374 2, 258, 796, 792 495, 531, 476 45, 906, 542 28, 076, 572 223, 007, 600	870, 995, 104 2, 312, 260, 844 541, 521, 976 22, 066, 801 15, 728, 926 253, 202, 359	2,688,731,415 4,708,104,244 1,082,160,284 68,882,879 43,985,177 481,828,520				
Grand totals	28, 483	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519				
Farm origin group: From field crops From animal husbandry	6,307 4,022	164, 514 123, 242	226, 751, 705 167, 964, 604	888, 435, 918 892, 578, 456	563, 349, 320 307, 645, 784	1,477,008,962 1,211,722,453				
Totals, farm origin	10,329	287,756	394, 716, 309	1,781,014,374	870, 995, 104	2,688,731,415				
Canadian origin	9, 493 836	225, 077 62, 679	303, 293, 749 91, 422, 560	1,507,501,822 273,512,552	668, 958, 344 202, 036, 760	2, 202, 655, 904 486, 075, 511				
1949										
Farm origin Mineral origin Forest origin Marine origin Wild life origin Mixed origin	10,023 5,936 15,467 599 663 3,104	312,573 453,960 255,671 11,856 8,370 128,777	608, 297, 050 1, 147, 317, 944 562, 316, 999 16, 969, 825 18, 008, 212 238, 980, 627	2,664,102,189 2,652,631,878 1,051,100,174 69,090,041 38,475,825 367,830,957	1,327,990,992 2,315,722,610 1,158,202,397 41,140,022 28,844,758 458,665,655	4,042,745,891 5,133,084,333 2,288,386,108 111,961,148 67,646,428 835,769,392				
Grand totals	35, 792	1,171,207	2,591,890,657	6, 843, 231, 064	5, 330, 566, 434	12, 479, 593, 300				
Farm origin group: From field crops From animal husbandry Totals, farm origin Canadian origin Foreign origin	6, 165 3, 858 10, 023 9, 204 819	175, 715 136, 858 312, 573 247, 762 64, 811	348, 944, 897 259, 352, 153 608, 297, 050 473, 274, 682 135, 022, 368	1,414,938,794 1,249,163,395 2,664,102,189 2,289,435,804 374,666,385	863, 950, 508 464, 040, 484 1, 327, 990, 992 1, 041, 245, 310 286, 745, 682	2,313,027,879 1,729,718,012 4,042,745,891 3,369,356,461 673,389,430				
1954²										
Farm origin Mineral origin Forest origin Marine origin Wild life origin Mixed origin	9, 542 6, 854 16, 823 586 598 3, 625	301, 661 539, 830 280, 573 14, 202 6, 431 125, 269	791, 390, 838 1, 902, 255, 686 857, 047, 039 26, 001, 277 17, 348, 494 302, 644, 357	3, 010, 857, 496 4, 083, 393, 939 1, 547, 843, 710 95, 632, 683 37, 022, 130 467, 107, 596	1, 735, 120, 378 3, 808, 242, 171 1, 727, 150, 805 55, 219, 381 26, 595, 921 549, 795, 481	4,812,467,809 8,113,391,979 3,380,340,406 153,456,535 64,099,781 1,030,770,994				
Grand totals	38, 028	1,267,966	3, 896, 687, 691	9, 241, 857, 554	7, 902, 124, 137	17, 554, 527, 504				
Farm origin group: From field crops From animal husbandry Totals, farm origin	6, 135 3, 407 9, 542	173, 171 128, 490 301, 661	468, 666, 325 322, 724, 513 791, 390, 838	1, 631, 251, 171 1, 379, 606, 325 3, 010, 857, 496	1, 170, 756, 138 564, 364, 240 1, 735, 120, 378	2, 845, 128, 473 1, 967, 339, 336 4, 812, 467, 809				
Canadian origin Foreign origin	8, 612 930	242, 239 59, 422	624, 181, 936 167, 208, 902	2, 617, 517, 447 393, 340, 049	1, 377, 694, 249 357, 426, 129	4, 041, 115, 667 771, 352, 142				
° 1959²				2 022 207 502	2, 316, 259, 447	6, 238, 814, 601				
Farm origin Mineral origin Forest origin Marine origin Wild life origin Mixed origin	9,563 7,406 14,569 409 495 3,751	313, 153 541, 628 287, 802 13, 016 5, 254 143, 103	1, 041, 320, 911 2, 446, 703, 638 1, 104, 870, 213 28, 016, 374 18, 775, 649 433, 386, 921	3, 832, 287, 502 5, 887, 525, 610 1, 955, 730, 258 109, 065, 708 39, 456, 777 728, 134, 688	2,316,235,447 4,912,315,673 2,146,100,754 54,913,312 30,379,491 860,994,204	6, 238, 814, 601 11, 008, 279, 085 4, 235, 438, 303 169, 021, 236 69, 127, 080 1, 590, 921, 176				
Grand totals	36, 193	1,303,956	5,073,073,706	12, 552, 200, 543	10, 320, 962, 881	23, 311, 601, 481				
Farm origin group: From field crops	3, 531 9, 563	174, 547 138, 606 313, 153	597, 339, 171 443, 981, 740 1,041, 320, 911 838, 194, 711	1, 938, 815, 106 1, 893, 472, 396 3, 832, 287, 502 3, 347, 376, 240	1, 548, 649, 420 767, 610, 027 2, 316, 259, 447 1, 867, 444, 220	3,549,059,817 2,689,754,784 6,238,814,601 5,285,083,901				
Canadian origin Foreign origin		255,590 57,563	203, 126, 200	484, 911, 262	448, 815, 227	953, 730, 700				

¹ For the year 1924 the figures for "Cost of materials" and "Gross value of products" include the value placed on intermediate products used in further processes in the chemical group of industries. For this reason these figures differ slightly from those contained in the other tables of this report.

² In 1952 the basis of collection was changed from "Value of products made" to "Selling value of factory shipments".

Subsection 4. Manufactures Classified by Type of Ownership

This section deals with the type of ownership under which Canadian manufacturers operate. The first survey in 1946 did not include the fish-curing and packing industry, information for which was not available at that time. For this reason the figures for 1946 are not strictly comparable with those for succeeding years, although the inclusion of that industry has not materially altered the percentage distribution of individual ownership, incorporated companies, etc.

Of the 36,193 establishments operating in 1959, 1,462 establishments in the periodical publishing industry were unclassifiable, leaving 34,731 establishments in the four

categories of ownership. Individual ownership numbered 13,349 establishments, partnerships, 3,731, incorporated companies 16,735 and co-operatives 916. The percentage distribution of the four categories of ownership are given below for the years 1946 to 1959. It is interesting to note that incorporated companies are becoming increasingly important, the percentage of the total number of establishments having risen from 33.4 in 1946 to 48.2 in 1959 while the other three categories declined in importance. This trend to incorporation is no doubt accentuated by the favourable income tax rate allowed companies on the first \$25,000 of income.

Year	Individual ownership	Partnerships	Incorporated companies	Co-operatives
1946 (estimated) 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957	47.3 46.4 46.2 46.0 45.6 44.6 44.9 43.6 42.7 41.4 40.6 39.2	16.0 16.1 16.4 15.8 15.0 15.5 14.8 14.8 12.7 12.0	33.4 34.3 35.3 36.9 36.9 38.2 39.5 41.1 43.4 44.9	3. 3 3. 2 3. 0 2. 9 3. 1 3. 0 2. 8 2. 6 2. 6 2. 5 2. 5 2. 5

As is to be expected, the smaller establishments, regardless of the type of products manufactured, are carried on mainly under individual ownership or patherships. Industries conducted on a small scale usually contain a large number of establishments in this category, the percentage decreasing as the scale of operation increases. As the above table shows, establishments under individual ownership comprised 38.4 p.c. of the total number engaged in manufacturing in 1959. Partnerships accounted for 10.8 p.c., incorporated companies 48.2 p.c. and co-operatives 2.6 p.c.

Of the 11,967 establishments with shipments of under \$25,000, 74.6 p.c. were individual ownership, 14.0 p.c. partnerships, 10.8 p.c. incorporated companies and 0.6 p.c. co-operatives. With the increase in the size of the establishment the importance of individual ownership as well as that of partnerships declines. In the case of incorporated companies, however, the opposite is true. As the size increases their numerical importance increases as the following table shows.

TABLE 15. Percentage Distribution of the Manufacturing Industries of Canada, by Type of Ownership and Size of Establishment, 1959

	Under	\$25,000 to	\$100,000 to	\$500,000
	\$25,000	\$99,999	\$499,999	and over
Establishments: Individual ownership Partnerships Incorporated companies Co-operatives	74.6	44.8	11. 1	0.8
	14.0	15.9	7. 5	1.0
	10.8	36.6	76. 0	96.0
	0.6	2.7	5. 4	2.2
Totals	100,0	100.0	100:0	100.0
Employees: Individual ownership Partnerships Incorporated companies Co-operatives	68.9	39.1	6.9	0. 2
	16.4	16.1	6.3	0. 3
	14.2	43.4	84.8	98. 8
	0.5	1.4	2.0	0. 7
Totals	100.0	100,0	100.0	100.0
Factory shipments: Individual ownership Partnerships Incorporated companies Co-operatives	70.3	40.7	8. 2	0. 2
	14.7	15.4	6. 1	0. 3
	14.2	40.7	80. 8	98. 4
	0.8	3.2	4. 9	1. 1
Totals	100.0	100.0	100.0	100.0

The establishments operating under individual ownership are not as important, from the point of view of employment provided, as their large numbers would indicate. According to Tables 16 and 17, these establishments which comprise 38 p.c. of the total have only 4 p.c. of the total employees. Partnerships accounted for 11 p.c. of the number of establishments and 2 p.c. of the total employees. Incorporated companies with 48 p.c. of the number of establishments had 93 p.c. of the employees. Co-operatives with 3 p.c. of the establishments had 1 p.c. of the employees.

On the basis of employment provided, incorporated companies are, by a wide margin the most important factor in the

employment field. Petroleum and coal products, rubber, paper products, electrical apparatus and supplies, and transportation equipment had 99 p.c. of the total employees. Incorporated companies in the non-ferrous metal products, tobacco and chemical groups had 98 p.c., iron and steel products 97 p.c., textile mills 96 p.c., knitting mills and non-metallic mineral products 94 p.c., leather products 93 p.c., miscellaneous industries 92 p.c. printing, publishing and allied industries 89 p.c., clothing 86 p.c., and foods and beverages 84 p.c. Companies in the wood products group with 79 reported the lowest percentage of the total employment.

TABLE 16. Percentage Distribution of Establishments in the Manufacturing Industries classified by Type of Ownership, by Provinces and Industrial Groups, 19591

Province and group	Individual ownership	Partner- ships	Incorporated companies	Co- operatives	Total
Province			per cent		
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Canada	52.7 49.1 49.9 49.1 43.3 32.4 49.0 37.1 32.2 25.0	26.9 16.0 12.3 9.6 8.9 10.3 12.9 11.2 11.6	20. 4 26. 9 35. 7 39. 1 43. 6 55. 1 48. 6 48. 2 55. 1 75. 0	8. 0 2. 1 2. 2 4. 2 1. 7 1. 6 5. 5 3. 5 1. 1	100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0
Industrial group	301 1	10.0	20. 4	A • 0	100.0
Foods and beverages Tobacco and tobacco products Rubber products Leather products Leather products Textile mills Clothing Wood products Paper products Paper products Paper products Paper products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Products of petroleum and coal Chemicals and allied products Miscellaneous manufacturing industries	42. 1 15. 0 9. 0 25. 3 25. 9 14. 4 23. 9 58. 5 6. 3 39. 2 21. 6 25. 1 20. 9 5. 9 27. 8 1. 8 12. 9	9.8 2.5 3.4 7.1 10.1 9.4 13.2 14.3 2.1 11.7 8.7 8.2 9.3 2.0 9.4 0.9 9.2 9.5	37. 4 75. 0 87. 6 67. 6 63. 9 75. 9 62. 9 27. 1 91. 6 48. 7 69. 6 66. 7 69. 8 92. 1 62. 6 96. 4 83. 6	10.7 7.5 0.1 0.3 0.1 0.4 0.1 0.2 0.9 0.6	100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

¹ Four main categories of ownership only; the non-classifiable group is not included.
² Included with incorporated companies.

TABLE 17. Percentage Distribution of Employment in the Manufacturing Industries classified by Type of Ownership, by Provinces and Industrial Groups, 19591

Province and group	Individual ownership	Partner- ships	Incorporated companies	Co- operatives	Total
			per cent		
Province	1			1	
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Sas katchewan Alberta British Columbia Yukon and Northwest Territories	5.8 16.7 8.2 8.3 5.5 2.8 4.5 8.9 5.6 4.5	4.3 8.3 2.8 2.6 1.8 2.0 3.9 2.8	89.9 65.4 87.2 87.4 91.0 95.1 92.5 74.7 89.4 91.1	9.6 1.8 1.5 0.9 0.3 1.0 12.5 2.2 1.8	100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0
Canada	4.3	2.2	92.6	0. 9	100. 0
Industrial group Foods and beverages Tobacco and tobacco products Rubber products Leather products Textile mills Knitting mills Clothing Wood products Paper products Printing, publishing and allied industries' Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous manufacturing industries	7.8 0.8 0.3 4.8 2.1 2.3 6.4 11.4 0.3 6.6 1.7 0.6 1.0 0.2 3.2 0.1 1.2 5.1	3.1 1.9 1.3 3.1 6.9 5.7 0.1 3.00 1.3 0.3 0.3 0.3	84. 0 98. 0 99. 7 93. 3 96. 6 94. 6 86. 7 79. 6 89. 8 97. 0 99. 1 98. 3 99. 5 94. 9	5. 1 1. 2 - 2 2 0. 3 0. 6 - 2 0. 5	100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

¹ Four main categories of ownership only; the non-classifiable group is not included.
² Included with incorporated companies.
³ Included with individual ownership.

TABLE 18. Percentage Distribution of Employment in the Forty Leading Industries by Type of Ownership, 1959

	40					
No.	Industry	Individual ownership	Partner- ships	Incorporated companies	Co- operatives	Total
1 2 3 4	Pulp and paper mills Non-ferrous metal smelting and refining Petroleum refining products Slaughtering and meat packing Motor vehicles	0.8	0.6	100.0 100.0 100.0 96.7 100.0	1.9	100, 0 100, 0 100, 0 100, 0 100, 0
5 6 7 8 9	Motor venicies Iron and steel mills Sawmills Butter and cheese factories Flectrical apparatus, miscellaneous Sheet metal products	23. 0 5. 2 0. 1 2. 1	8. 4 3. 4 0. 5 0. 9	100. 0 68. 1 68. 3 99. 4 97. 0	0.5 23.1 —	100.0 100.0 100.0 100.0 100.0
11 12 13 14 15	Food preparations, miscellaneous Bakeries Printing and publishing Rubber goods	2.0 22.2 4.3 0.2 0.5	0.8 6.6 1.5 0.1 1.1	97. 2 70. 9 94. 0 99. 7 98. 4	0.3 0.2 —	100.0 100.0 100.0 100.0 100.0
16 17 18 19 20	Furniture Aircraft and parts Motor vehicle parts Boxes and bags, paper Acids, alkalies and salts	10. 4 0. 2 0. 8 1. 0	5.4 0.5 0.7	84. 2 99. 8 98. 7 98. 3 100. 0		100.0 100.0 100.0 100.0 100.0
21 22 23 24 25	Printing and bookbinding Railway rolling stock Stock poultry feeds, prepared Clothing women's factory	4.0 10.5 - 12.2 3.0	1.8 5.0 - 3.9 6.3	91.2 83.2 100.0 58.4 90.7	3.0 1.3 — 25.5	100.0 100.0 100.0 100.0 100.0
26 27 28 29	Clothing men's factory Castings, iron Sash, door and planing mills. Breweries Machinery, heavy electrical	2.3 1.3 12.3 - 0.1	5. 0 0. 8 4. 6	92.7 97.9 83.1 100.0 99.9	-	100.0 100.0 100.0 100.0 100.0
31 32 33 34 35	Telecommunication equipment Flour mills Chemical products, miscellaneous Cotton yarn and cloth Bridge and structural steel	0.2 3.2 1.4 0.4 0.4	0.5 1.5 0.2	99. 3 95. 3 98. 4 99. 6 99. 6	2 3 —	100. 0 100. 0 100. 0 100. 0 100. 0
36 37 38 39 40	Tobacco, cigars and cigarettes Concrete products Synthetic textiles Brass and copper products	1.0	4.1 - 1.2 0.3	99. 2 89. 7 100. 0 97. 8 98. 9		100. 0 100. 0 100. 0 100. 0 100. 0

Included with incorporated companies.
 Included with individual ownership.
 Included with partnerships.

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada and Each Province, grouped according to the Type of Ownership, 1959

Province	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		dollars		
Canada: Individual ownership Partnerships	13,349 3,731 16,735 916 1,462 36,193	55, 255 28, 807 1, 202, 336 11, 402 6, 156 1, 303, 956	126, 833, 778 75, 567, 549 4, 816, 676, 835 35, 034, 198 18, 961, 346 5, 073, 073, 706	10, 690, 019 4, 996, 895 547, 680, 577 5, 512, 671 — 568, 880, 162	268, 167, 458 149, 053, 230 11, 829, 416, 191 269, 336, 768 36, 226, 896 12, 552, 200, 543	490, 971, 280 277, 824, 913 22, 105, 918, 257 353, 271, 270 83, 615, 761 23, 311, 601, 481
Newfoundland: Individual ownership Partnerships Other ownership Not classifiable ¹ Totals	413 210 160 14 797	556 414 8,632 18 9,620	452, 297 331, 909 29, 676, 226 20, 859 30, 481, 291	44, 936 27, 935 6, 446, 848 - 6, 519, 719	1,013,048 661,807 52,199,238 127,689 54,001,782	1, 853, 482 1, 218, 370 115, 738, 660 196, 541 119, 007, 053
Prince Edward Island: Individual ownership. Partnerships	86 28 47 14 3	295 147 1, 156 170 1	464, 999 234, 320 2, 885, 426 271, 402 39 3, 856, 186	63, 388 27, 827 327, 886 35, 833 	1, 519, 899 637, 970 14, 555, 872 3, 226, 220 7, 121 19, 947, 082	2, 273, 222 1, 046, 221 20, 609, 407 3, 733, 093 8, 951 27, 670, 896

¹ Consists of industry "Publishing (only) of Periodicals".

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada and Fach Province, grouped according to the Type of Ownership, 1959 — Concluded

accore	ing to the	Type of Ow	nership, 1959 –	Concluded		
Province	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber	1	doll	ars	
Nova Scotia: Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable	626 154 449 27 58	2, 316 770 24, 545 502 35	3, 974, 869 1, 337, 397 81, 273, 184 1, 047, 912 60, 667	403, 613 129, 437 13, 359, 137 147, 124	10, 671, 974 4, 519, 295 202, 903, 358 4, 654, 079 267, 376	17, 877, 618 6, 865, 143 367, 086, 455 6, 376, 104 458, 358
Totals	1,314	28, 168	87, 694, 029	14,039,311	223, 016, 082	398, 663, 678
New Brunswick: Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable ¹	439 86 350 20 20	1,742 585 18,269 304 27	2,726,984 1,091,239 59,294,854 700,433 59,362	382, 553 108, 189 13, 371, 892 150, 913	10, 922, 364 2, 401, 001 156, 382, 545 8, 165, 641 193, 072	17, 798, 852 4, 443, 450 292, 946, 276 9, 940, 531 349, 608
Totals	915	20, 927	63, 872, 872	14, 013, 547	178, 064, 623	325, 478, 717
Quebec: Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable ¹	4,826 990 4,857 468 443	23, 625 10, 956 389, 479 3, 848 3, 329	51,790,783 28,484,845 1,445,837,253 9,762,868 11,056,921	4,119,620 1,576,405 172,385,649 1,639,216	118, 311, 719 56, 056, 074 3, 457, 727, 473 99, 794, 654 17, 841, 609	210, 305, 405 103, 584, 369 6, 432, 371, 665 123, 314, 309 46, 623, 846
Totals	11, 584	431, 237	1, 546, 932, 670	179, 720, 890	3, 749, 731, 529	6, 916, 199, 594
Ontario: Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable ¹	4,062 1,357 6,895 210 557	16, 955 10, 917 583, 954 1, 869 2, 051	45, 474, 449 31, 496, 445 2, 475, 774, 951 5, 851, 715 6, 086, 674	3, 595, 535 1, 983, 118 255, 486, 408 1, 045, 141	89,626,288 61,774,650 5,977,194,398 48,646,906 13,375,940	166, 485, 060 115, 107, 859 11, 297, 115, 095 63, 121, 567 26, 630, 981
Totals	13,081	615, 746	2, 564, 684, 234	262, 110, 202	6, 190, 618, 182	11,668,460,562
Manitoba: Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable ¹	595 156 733 24 99	1, 915 841 39, 756 465 168	4, 250, 900 2, 171, 339 145, 758, 624 1, 407, 094 410, 068	371, 311 135, 649 13, 292, 669 218, 950	7,901,079 3,960,556 399,471,225 9,735,602 1,026,153	15, 241, 070 7, 484, 983 705, 540, 209 13, 357, 345 1, 885, 745
Totals	1,607	43, 145	153, 998, 025	14, 018, 579	422, 094, 615	743, 509, 352
Saskatchewan: Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable ¹	409 108 271 46 49	1,109 491 9,298 1,556 85	2, 263, 025 1, 129, 130 37, 396, 781 6, 063, 524 181, 356	229, 545 124, 792 8, 094, 373 1, 185, 940	3, 175, 165 2, 406, 543 167, 745, 586 39, 533, 669 515, 734	7, 256, 528 4, 602, 885 277, 329, 854 57, 351, 295 779, 759
Totals	883	12, 539	47, 033, 816	9, 634, 650	213, 376, 697	347, 320, 321
Alberta: Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable ¹	647 196 842 61 84	2,214 1,093 35,164 880 171	5,045,101 2,724,271 141,533,841 2,809,520 392,680	451,700 244,533 16,956,425 308,782	8, 632, 636 5, 330, 370 487, 237, 672 22, 128, 949 939, 339	17, 738, 199 10, 660, 099 829, 750, 494 27, 239, 547 1, 928, 458
Totals	1,830	39, 522	152, 505, 413	17, 961, 440	524, 268, 966	887, 316, 797
British Columbia: Individual ownership Partnerships Incorporated companies Co-operatives Not classifiable ¹	1,243 446 2,124 44 135	4,516 2,593 91,987 1,801 271	10, 344, 149 6, 566, 654 396, 696, 533 7, 105, 030 692, 720	1,025,360 639,010 47,790,191 778,972	16, 359, 659 11, 304, 964 911, 955, 955 33, 370, 735 1, 932, 863	34,019,709 22,811,534 1,764,880,878 48,676,490 4,753,514
Totals	3, 992	101, 168	421, 405, 086	50, 233, 533	974, 924, 176	1,875,142,125
Yukon and Northwest Territories: Individual ownership	3	12 103	46, 222 563, 862	2, 458 170, 899	33,627 2,123,182	122, 135 2, 710, 251
Totals	12	115	610, 084	173, 357	2, 156, 809	2,832,386

¹ Consists of the industry "Publishing (only) of Periodicals".

TABLE 20. Principal Statistics of the Manufacturing Industries of Canada classified by Industrial Groups and by type of Ownership 1959

	and o	J type of Ov	rheiship 1303			
Industrial group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		doll	ars	
Dards and house good						
Foods and beverages: Individual ownership	3,434	15,042	33,350,109	5,242,276	126,258,903	191,267,785
Partnerships	802	5,908	14, 806, 992	2,058,739	53,268,283	82,076,714
Incorporated companies	3,053	161,415	585, 563, 310	55,974,908	2,543,451,860	4,088,094,093
Co-operatives	876	9,727	28, 818, 745	4,586,051	244,701,242	312, 450, 689
Totals	8, 165	192, 092	662, 539, 156	67, 861, 974	2, 967, 680, 288	4,673,889,281
	·					
Tobacco and tobacco products:						
Incorporated companies	30	10,089	37,662,472	886,740	211,164,838	322,322,783
Co-operatives	3	119	238, 995	11,138	1,235,330	1,654,463
Other ownership	7	79	176,751	4,853	370,510	586,415
Totals	40	10, 287	38, 078, 218	902,731	212,770,678	324,563,661
Rubber products:						
Incorporated companies	78	21,037	86,701,037	5,415,011	160, 265, 356	347,312,486
Other ownership	11	56	158,000	5,401	131,170	367,794
Totals	89	21, 093	86, 859, 037	5,420,412	160, 396, 526	347, 680, 280
Leather products:						
Individual ownership	148	1,480	3,507,098	95,965	5,685,212	10,772,515
Partnerships	42	581	1,462,862	25, 943	2,420,560	4,797,699
Incorporated companies	396	28, 951	77,765,263	2,142,417	135,659,998	255,604,791
Totals	586	31,012	82,735,223	2,264,325	143, 765, 770	271, 175, 005
Textile products:		1 0=0	0 100 511	100 407	4 610 000	10, 192, 546
Individual ownership	228	1,376	3,126,511	132,487	4,612,002	5,669,338
Partnerships	89	801	1,945,561	106,863	2,409,442	786,655,202
Incorporated companies	562	61,402	197,831,428	14,836,756	422,619,427	
Totals	879	63,579	202, 903, 500	15, 076, 106	429, 640, 871	802, 517, 086
Clothing:						
Individual ownership	563	5,620	11,929,418	234,311	17,295,788	35,834,566
Partnerships	312	6,043	15, 499, 085	217,951	23,086,315	46,787,551
Incorporated companies	1,484	76,015	200, 084, 438	2,652,566	360,749,816	683, 195, 813
Totals	2,359	87, 678	227, 512, 941	3, 104, 828	401, 131, 919	765, 817, 930
Knitting mills:						
Individual ownership	46	476	1,038,971	33,234	2,619,741	4,496,059
Partnerships	30	663	1,675,689	31,872	5,085,824	7,990,092
Incorporated companies	243	19,853	49,472,635	1,843,269	90,953,076	176,781,536
Totals	319	20, 992	52, 187, 295	1, 908, 375	98, 658, 641	189, 267, 687
Wood moduates						
Wood products:	5,733	17,882	34,087,951	2,971,944	74,080,563	135, 834, 202
Individual ownership	1,402	7,046	15,469,490	1,223,393	30,676,036	57,630,201
Incorporated companies	2,661	98,518	337, 203, 479	17,252,345	654, 396, 456	1,227,668,659
Co-operatives	12	345	1,100,807	71,809	2,200,850	4,002,733
Totals	9, 808		387, 861, 727	21, 519, 491	761, 353, 905	1, 425, 135, 795
Paper products:		0.1	070 007	07 010	1 472 653	2,636,200
Individual ownership	35		670, 937 379, 760	27,213 14,852	1,473,653	1,475,674
Partnerships	12	1	429, 313, 809	113,509,419		2,023,187,294
Incorporated companies	512				1	
Totals	559	94,231	430, 364, 506	113,551,484	935, 329, 113	2, 027, 299, 168

TABLE 20. Principal Statistics of the Manufacturing Industries of Canada classified by Industrial Groups and by type of Ownership 1959 — Concluded

Industrial group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	iber		doll	ate	
Printing, publishing and allied industries:			1	4011	l .	1
Individual ownership	1,136	4,469	14,324,195	514,222	10.916.311	04 844 00
Partnerships	339	2,053	6,989,069			34,744,09
Incorporated companies	1,411	60,833	266, 490, 035	196,112	5,184,977	16,136,35
Co-operatives	11	415	1,499,548	5,233,251	213,915,705	686, 122, 41
Not classifiable ¹	1,462	6,156	18,961,346	34,737	1,061,145	3,013,04
Totals	4,359	73, 926	308, 264, 193	5, 978, 322	36, 226, 896 267, 305, 034	83,615,76
106415	4,555	13, 320	300, 204, 183	3, 516, 322	201, 303, 034	823, 631, 66
ron and steel products:						
Individual ownership	702	3,282	9,763,616	572,335	9,089,317	24,762,07
Partnerships	282	2,501	8,561,798	441,101	12,405,359	26,085,32
Incorporated companies	2,262	187,186	843, 120, 273	65,031,586	1,464,827,182	3,026,780,80
Totals	3,246	192, 969	861, 445, 687	66, 045, 022	1, 486, 321, 858	3, 077, 628, 20
Transportation equipment:						
Individual ownership	162	661	1,752,240	93,193	2,058,264	4,710,24
Partnerships	53	322	911,598	35,709	1,553,230	3,086,78
Incorporated companies	430	112,623	528, 923, 749	20,054,305	1,116,671,093	2,014,398,67
Totals	645	113,606	531, 587, 587	20, 183, 207	1, 120, 282, 587	2, 022, 195, 70
Non-ferrous metal products:						
Individual ownership	121	508	1,570,088	67,232	2,250,657	4,757,07
Partnerships	54	381	1,140,484	48,267	1,935,805	3,904,33
Incorporated companies	405	51,136	234,017,400	68,901,897	1,071,864,542	1,731,791,64
Totals	580	52, 025	236, 727, 972	69, 017, 396	1, 076, 051, 004	1, 740, 453, 05
Electrical apparatus and supplies:						
Individual ownership	29	119	332,109	14, 203	608, 189	1,235,68
Partnerships	10	242	783,873	30, 241	2,491,118	3,541,28
Incorporated companies	457	73,522	315,741,104	10,132,711	498,700,371	1,042,685,31
Totals	496	73,883	316, 857, 086	10, 177, 155	501, 799, 678	1, 047, 462, 27
Non-metallic mineral products:					0.000 400	10 100 50
Individual ownership	347	1,401	3,431,646	365,534	3,637,492	10,198,59
Partnerships	118	831	2,362,659	427,147	2,763,541	7,639,77
Incorporated companies	786	41,117	172,859,493	51,675,302	234,522,311	676,399,31
Totals	1, 251	43,349	178, 653, 798	52, 467, 983	240, 923, 344	694, 237, 68
Products of petroleum and coal:						
Incorporated companies	109	16,762	93,846,438	57,891,286	935, 808, 735	1,267,483,46
Other ownership	3	13	49,938	7,575	379,603	523,98
Totals	112	16, 775	93, 896, 376	57, 898, 861	936, 188, 338	1, 268, 007, 44
Chemicals and allied products:						
Individual ownership	146	671	2,299,969	73,215	2,063,321	4,744,40
Partnerships	33	145	341,202	21,586	613,762	1,381,52
Incorporated	951	53,687	239,547,782	50,410,146	618,394,317	1,363,846,38
Co-operatives	7	279	1,028,773	87,312	6,294,392	8,238,72
Totals	1, 137	54, 782	243, 217, 726	50,592,259	627, 365, 792	1,378,211,03
Miscellaneous manufacturing industries:						
Individual ownership	503	1,947	5,483,922	239,758	5,160,747	14,203,00
Partnerships	148	1,075	3,017,736	112,187	3,825,532	8,726,30
Incorporated companies	912	34,864	122,880,020	4,558,286	176,248,918	409, 499, 21
Totals	1,563	37, 886	131, 381, 678	4,910,231	185, 235, 197	432, 428, 52

¹ Consists of the industry "Publishing (only) of Periodicals".

Subsection 5. Leading Manufacturing Industries

In the following statement, the rank of the ten leading industries in 1959, from the standpoint of gross value of

production or value of shipments is compared with their respective ranks in significant years since 1922.

		Rank in								
Industry	1959	1949	1944	1939	1933	1929	1922			
Pulp and paper	1	1	5	2	1	1	2			
Non-ferrous metal smelting and refining	2	3	2	1	2	9	1			
Petroleum products ³	3	5	14	6	6	10	9			
Slaughtering and meat packing	4	2	1	3	3	2	3			
Motor vehicles	5	4	7	5	11	4	6			
Primary iron and steel	6	8	13	11	31	16	20			
Sawmills	7	6	11	8	14	5	4			
Butter and cheese	8	7	10	4	5	6	5			
Miscellaneous electrical apparatus and supplies	9	19	2	2	2	2	2			
Sheet metal products	10	23	24	20	26	24	23			

Did not rank among the forty leading industries.
 This industry was not classified separately but was included with electrical apparatus and supplies.
 The drop to third position in 1959 was due to a change in method of valuation which reduced the value of production by about \$268 million.
 On the old basis of valuation this industry still ranked second in 1959.

A prominent feature of Canadian Manufacturing development during the past twenty-five years has been the rapid growth of non-ferrous metal smelting. This industry, based upon the rich base-metal resources of the country, has taken its place among the leading manufactures, along with the industries based upon forest, agricultural and live-stock resources. Another feature of this development in manufacturing production is the rise of the petraleum products industry from fourteenth place in 1944 to second place since 1958. This is the direct result of the recent discoveries and development of the large oil resources of the Prairie Provinces and the rapid industrialization of Canada during the past decade.

The incidence of the depression resulted in a re-arrangement of the ranking of many industries which in some cases has proved to be temporary. During the war, the industries engaged in producing the equipment needed by the armed forces, such as shipbuilding, aircraft, automobiles, miscellaneous chemical products, and primary iron and steel, advanced to higher positions. When the war ended, the industries engaged in the production of consumer goods, by reason of the expanded demand for their products, bettered their position. Pulp and paper, after a lapse of a number of years, resumed its premier position.

The impetus given to Canadian manufacturing production by the Korean war is reflected in the advance of the aircraft industry to ninth position. This industry which did not rank among the forty leading industries before World War II was in fourth place in 1944 and seventeenth place in 1959. The shipbuilding industry also bettered its position as a result of the

defence program occasioned by the Korean war. This industry which did not rank among the forty leading industries in 1949 advanced to thirty-fourth place in 1952 and 1954. With the slackening in defence spending, operations declined with the result that since 1955 this industry, again, does not rank among the forty leading industries.

The change over from war to peace-time production which was completed by about 1949 was accompanied by some major changes in the ranking of the leading industries. The minor recession experienced in 1954 also had its impact on the ranking of the leading industries for several years, but with the recovery which followed, the ranking of the industries resumed a more normal pattern. For the decade 1949-1959, the volume of the durable goods industries advanced by 49.0 p.c. as compared with 48.8 for non-durable or consumer goods. A number of the industries producing durable goods accordingly bettered their position since 1949. Primary iron and steel advanced from eighth to sixth place, and miscellaneous electrical apparatus and supplies from nineteenth to ninth place. Aircraft and parts which did not rank among the forty leading industries in 1949 advanced to seventeenth place in 1959. Motor vehicles which are credited to durable goods, however, dropped from fourth to fifth place. Of the consumer goods industries the most notable advance was made by petroleum products which rose from fifth to second place. Other consumer goods industries declined in relative importance. Slaughtering and meat packing dropped from second to fourth place, sawmills from sixth to seventh place and butter and cheese from seventh to eighth place. Pulp and paper and non-ferrous metal smelting and refining retained the same position in 1959 as in 1949, viz., first and third place respectively.

TABLE 21. Principal Statistics of the Forty Leading Industries of Canada, ranked according to Selling Value of Factory Shipments, 1959

No.	Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
		nu	mber		doll	ars	
1	Pulp and paper	127	65,028	322,311,304	628, 269, 346	761,035,456	1,499,585,644
2	Non-ferrous metal smelting and refining	24	27, 746	137, 227, 215	815, 787, 699	429, 888, 766	1, 307, 996, 8412
3	Petroleum products	69	14, 142	81,554,767	863, 895, 812	244, 973, 6283	1, 156, 912, 0432
4	Slaughtering and meat packing	180	26, 866	115, 970, 251	900, 504, 627	222, 648, 120	1, 135, 900, 829
5	Motor vehicles	16	28, 461	146, 956, 325	591, 068, 962	353, 765, 632	928, 949, 639
6	Primary iron and steel	49	34, 942	182,910,151	354, 160, 093	393, 807, 515	782, 494, 003
7	Sawmills	5,678	48,659	144, 759, 203	313, 399, 108	248, 582, 490	571, 822, 7832
8	Butter and cheese	1, 166	20, 935	72,038,125	397, 397, 813	124, 435, 841	532, 636, 893
9	Miscellaneous electrical apparatus and supplies	181	26, 126	110, 497, 010	186,720,523	203, 783, 466	385, 215, 432
10	Sheet metal products	490	20, 781	90, 121, 171	196, 717, 228	170, 386, 455	365, 558, 129
11	Miscellaneous food preparations	299	10, 258	38, 074, 162	220, 596, 950	127, 497, 404	353, 257, 078
12	Bread and other bakery products	2,539	36, 404	112, 131, 527	158, 665, 789	180,769,353	350, 305, 213
13	Printing and publishing	740	30, 877	135, 371, 595	91,392,852	253, 712, 698	347, 705, 153
14	Rubber goods, including footwear	89	21,093	86, 859, 037	160,396,526	188, 179, 495	347,680,280
15	Machinery, industrial	373	24, 805	107, 314, 000	147, 849, 567	199, 929, 990	343, 494, 959
16	Furniture	1,897	32, 499	106, 404, 211	161,032,692	167, 220, 584	329, 845, 815
17	Aircraft and parts	78	28, 516	142, 484, 904	127, 937, 264	195, 911, 616	327, 533, 6312
18	Motor vehicle parts	211	18, 885	85, 198, 507	173,770,732	151, 495, 727	323, 420, 389
19	Boxes and bags, paper	228	17, 561	63, 296, 980	188, 877, 337	121,017,281	309, 442, 911
20	Acids, alkalies and salts	57	10,452	53, 527, 783	127, 361, 965	142, 409, 802	297, 482, 108
21	Fruit and vegetable preparations	378	16,039	44,730,382	168, 318, 947	110, 282, 899	286, 535, 237
22	Printing and bookbinding	1,842	27,097	106, 671, 271	104, 243, 189	178, 605, 478	283, 848, 120
23	Railway rolling stock	29	20, 248	83, 680, 309	163, 814, 494	99, 487, 140	266, 868, 100 ²
24	Feeds, stock and poultry, prepared	870	6,656	21,648,372	197, 906, 359	59,685,786	260,922,002
25	Clothing, women's, factory	634	25, 842	71,694,239	137, 934, 277	123, 058, 229	260, 575, 604
26	Clothing, men's, factory	513	29, 239	76, 011, 271	144,990,401	116, 778, 300	260, 485, 879
27	Castings, iron	184	15,711	67, 876, 410	137, 379, 005	117, 290, 636	254, 948, 289
28	Sash, door and planing mills	1,543	18, 161	57, 788, 412	152,914,213	98, 207, 684	254, 861, 818
29	Breweries	56	8,031	40, 348, 477	57, 936, 492	183, 534, 883	244,766,207
30	Machinery, heavy, electrical	86	17, 357	81,372,760	92,568,152	143, 156, 069	233, 675, 890
31	Telecommunication equipment	123	18, 931	77, 930, 395	117, 599, 255	117,788,500	225,070,764
32	Flour mills	71	4, 234	16, 819, 241	169, 769, 857	51,547,538	222, 897, 517
33	Miscellaneous chemical products n.e.s	271	11,592	51, 554, 787	106, 928, 274	103, 489, 578	219, 086, 473
34	Cotton yarn and cloth	46	18, 204	53,313,482	129, 837, 403	83, 808, 549	217, 912, 730
35	Bridge and structural steel	61	14, 725	69, 341, 631	102, 852, 464	112, 796, 871	217, 650, 544
36	Tobacco, cigars and cigarettes	24	8,356	32,988,000	111, 616, 950	100, 985, 081	212, 360, 337
37	Concrete products	682	12,566	50,099,502	99, 828, 430	102, 590, 965	207, 906, 250
38	Synthetic textiles and silk	48	15,004	53,642,334	96, 429, 339	107, 445, 845	207, 061, 266
39	Brass and copper products	156	9, 196	39, 542, 605	124, 849, 456	75, 762, 348	200, 287, 367
40	Miscellaneous paper goods	185	9, 466	35, 130, 468	94,500,068	81, 525, 328	176, 860, 714
	Totals, leading industries	22,293	851, 691	3,467,192,576	9, 318, 019, 910	7,049,279,0263	16,711,820,881
	Totals, all industries	36, 193	1,303,956	5,073,073,706	12, 552, 200, 543	10, 320, 962, 8813	23,311,601,481

¹ See footnote 1, Table 1.

² Reported on a production basis.

³ Not exactly comparable with 1958 because of a change in the method of valuation, it is estimated that if the 1958 basis had been used the 1959 total would have been \$1,425,051,000.

SECTION 4. PRINCIPAL FACTORS IN MANUFACTURING PRODUCTION

The subjects treated under this Section include capital, inventories, employment, salaries and wages, size of establishments and power and fuel used in manufacturing.

Subsection 1. Capital and Repair Expenditurers

Prior to 1944 the following information on capital investment was collected: Fixed Capital—Land, buildings, fixtures, machinery, tools and other equipment. Working Capital—(1) Inventory value of raw materials, stocks in process, fuel and miscellaneous supplies on hand; (2) Inventory value of finished products; (3) Cash, bills and accounts receivable, prepaid expenses, etc. This was replaced by the collection of statistics on the expenditure on fixed capital and repairs.

The remarkable increase in capital employed in Canadian manufactures from the beginning of the twentieth century has, of course, run parallel with the rapid growth in industrial operations. From 1900 to 1905 the capital increased from \$446,900,000 to \$833,900,000 and advanced to \$1,958,700,000 in 1915. During this period returns were received from establishments with 5 hands or over, and, while the rise in wholesale prices did not exceed 37 p.c., the capital employed in manufactures increased nearly 340 p.c.

Capital expenditures by manufacturers in 1959 totalled \$373,900,000 for construction and \$769,900,000 for machinery and equipment, while \$662,500,000 went for repairs. Of the

total capital expenditures amounting to \$1,143,800,000 in 1959, 14.5 p.c. was reported by the iron and steel group, 11.6 p.c. by foods and beverages, 11.1 p.c. by paper products, 10.6 p.c. by products of petroleum and coal, 7.1 p.c. by chemicals and allied products, 6.4 p.c. by non-metallic mineral products, 5.7 p.c. by transportation equipment, 5.3 p.c. by non-ferrous metal products, 4.4 p.c. by wood products, etc.

Of all the groups reporting capital expenditures in excess of \$50,000,000 in 1959, four reported decreases and five reported increases. Of the groups reporting increases, iron and steel products with \$39,300,000 led the list, followed by non-metallic mineral products with \$33,400,000, wood products \$19,800,000, transportation equipment \$11,400,000 and foods and beverages \$6,600,000. The largest decrease of \$35,600,000 was reported by the chemicals and allied products group, followed closely by non-ferrous metal products with a decrease of \$35,300,000. Products of petroleum and coal also dropped \$21,600,000 and paper products \$600,000. For manufacturing as a whole there was an increase of \$48,800,000 in capital expenditures in 1959 as compared with the previous year.

Variation in Capital Expenditure 1959 Compared with 1958

variation in Capital Expenditure 1888 Compared with 2888						
Group	1959	1958	Variation			
		\$'000,000				
Iron and steel products	165.7	126.4	+ 39.3			
Foods and beverages	132.8	126.2	+ 6.6			
Paper products	126.6	127.2	- 0.6			
Products of petroleum and coal	121.7	143.3	- 21.6			
Chemicals and allied products	81.0	116.6	- 35.6			
Non-metallic mineral products	73.7	40.3	+ 33.4			
Transportation equipment	65.7	54.3	+ 11.4			
Non-ferrous metal products	60.6	95.9	- 35.3			
Wood products	50.7	30.9	+ 19.8			
All groups	1, 143. 8	1. 095. 0	+ 48.8			

Capital expenditures in 1959 at \$1,143,000,000 were \$48,800,000 higher than in 1958. The highest amount spent in any year was in 1957 when capital expenditures totalled \$1,478,900,000 and the highest increase over the previous year was in 1956 when a rise of \$447,500,000 was recorded. Since 1950 there were six years with increased expenditures on capital goods. These were: 1951, 1952, 1955, 1956, 1957 and 1959. Three years, viz. 1953, 1954 and 1958 recorded declines. The greatest decline which amounted to \$383,900,000 occurred in 1958 and reflects the recession of that year.

Expenditures on capital assets which averaged \$1,059,000,000 during the past eight years reflect the expansion and modernization which the manufacturing industries of Canada have experienced. Although the expansion was at a rapid rate, not all provinces, however, shared in this expansion at an equal rate. Newfoundland had relatively the highest capital expenditures of any province, the percentage of capital expenditures to the value of factory shipments during the period 1950-54 being 11.0 more than double the Canada average. Alberta with 10.7 was in second place and British Columbia with 7.3 was in third place. Ontario and Saskatchewan equalled the Canada average of 4.9, while Prince

Edward Island, Nova Scotia, New Brunswick, Quebec and Manitoba were below this figure.

Some changes in the pattern of capital expenditures was evident during the period 1955 to 59. All provinces, with the exception of Newfoundland, and Prince Edward Island reported higher expenditures in actual dollars. On the basis of capital expenditures as a percentage of the value of shipments, Alberta with 9.9 had the highest ratio. Five provinces had ratios higher than the Dominion average of 5.6. These provinces were: Alberta, British Columbia, New Brunswick, Newfoundland and Manitoba, Saskatchewan equalled the Dominion average while Prince Edward Island, Nova Scotia, Quebec and Ontario were below it. A comparison of these ratios for the 1955-59 period with the previous five year period shows that for Canada as whole this ratio went up from 4.9 to 5.6. In Newfoundland, Prince Edward Island and Alberta the ratio of capital expenditures to shipments went down while for the other provinces they were higher. New Brunswick reported the greatest increase in the capital-shipments ratio, rising from 4.0 to 1950-1954 to 8.0 in the 1955-1959 period. This was due to an unusual expenditure of \$80,000,000 during 1958 and 1959 for buildings, machinery and equipment, most of which being for the construction of a large oil refinery and pulp and paper mill in the Province.

Comparison of Capital Expenditures with Value of Factory Shipments, 1950-1959

	Annu	al average, 1950) - 54	Annual average, 1955-59			
Province	Capital expenditures	Selling value of factory shipments	Capital expenditures as a percentage of shipments	Capital expenditures	Selling value of factory shipments	Capital expenditures as a percentage of shipments	
	\$'000,	000	p.c.	\$'000,000		p.c.	
Newfoundland	10.9	98.7	11.0	9.3	118.6	7.8	
Prince Edward Island	0.7	22.8	3.2	0.3	25. 5	1.2	
Nova Scotia	12.0	301.3	4.0	18.5	390.7	4.7	
New Brunswick	11.6	289.6	4.0	24.9	311.5	8.0	
Quebec	194.2	5,003.5	3.9	319.2	6,579.1	4.9	
Ontario	401. 2	8, 135. 9	4.9	544.6	10,776.8	5.1	
Manitoba	17.0	553.5	3.1	38.1	667.6	5.7	
Saskatchewan	12.5	255.0	4.9	17.6	315.6	5.6	
Alberta	53.9	502.1	10.7	76.6	772.9	9.9	
British Columbia	97.8	1,342.3	7.3	162.4	1,799.6	9.0	
Canada	811.8	16, 506. 5	4.9	1, 211. 6	21, 761. 8	5. 6	

TABLE 22. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces and Industrial Groups, 1959, with Totals for 1944-58

	Ca	pital expenditur	es	Repair expenditures			
Group and year	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total	
			\$'000	,000			
1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1953 1954 1955 1956 1956 1956	61.3 75.9 132.2 184.7 184.8 156.6 135.4 267.6 343.6 324.5 287.6 344.5 387.6	150.1 204.2 205.0 343.2 394.2 379.2 367.1 525.0 629.0 644.5 601.8 906.1 959.0 697.4	211.4 280.1 337.2 527.9 579.0 535.8 502.5 792.6 969.0 822.1 946.3 1,393.8 1,478.9 1,095.0	60.7 63.1 56.8 62.4 78.9 66.7 67.6 85.0 95.2 94.6 97.6 100.6 112.2 115.4	173.5 170.6 164.3 210.7 253.9 267.2 279.0 363.5 385.5 385.5 385.5 465.6 498.5	234.2 233.7 221.1 273.1 332.8 333.9 346.6 422.0 458.7 480.1 488.5 513.6 613.9 571.9	
Provinces, 1959	2.2	6.8 0.3	9.0	1.0	5.7 0.2	6.7 0.3	
Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia	3. 1 28. 3 107. 2 131. 5 30. 2 5. 2 40. 3 23. 8	9.9 26.3 211.6 370.7 28.6 16.7 35.6 63.4	15. 0 54. 6 318. 8 502. 2 58. 8 21. 9 75. 9 87. 2	4.3 2.0 34.1 57.1 4.8 2.7 7.8 11.3	12. 0 8. 9 140. 2 285. 1 10. 1 3. 3 16. 4 55. 4	16.3 10.9 174.3 342.2 14.9 6.0 24.2 66.7	
Totals	373.9	769. 9	1, 143. 8	125. 2	537.3	662. 5	
Industrial groups, 1959 Foods and beverages Tobacco and tobacco products Rubber products Leather products Clothing (textile and fur) Wood products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries Miscellaneous industries Capital items charged to operating expenses	45. 4 3.3 3.5 0.8 4.7 1.6 15.3 24.2 11.8 40.9 20.5 27.8 8.5 25.9 109.2 24.5 6.0	87. 4 4. 9 9.7 2. 2 18. 1 10. 9 35. 4 102. 4 28. 4 124. 8 45. 2 32. 8 21. 6 47. 8 12. 5 56. 5 10. 5	132.8 8.2 13.2 3.0 22.8 12.5 50.7 126.6 40.2 165.7 65.7 65.7 63.0 1 1 73.7 121.7 81.0 16.5	14.7 1.2 1.2 0.7 3.1 1.3 6.8 9.9 2.0 16.0 10.2 2 12.2 3.4 4.3 26.6 10.1	54.8 2.8 8.3 2.5 16.8 4.3 29.7 93.8 6.7 121.7 15.4 39.5 6.3 45.0 4.5	69.5 4.0 9.5 3.2 19.9 5.6 36.5 103.7 8.7 137.7 43.7 63.9 18.8 43.8 32.9 55.1	

¹ Includes "Kniting mills".

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces 1948-59

	Caj	pital expenditure:	S	Repair expenditures					
Province	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total			
			\$'000	000	0				
Vewfoundland:									
1948		••	• •						
1949	2.3	6.0	8.3	1.5	3.6	5			
1951	3.4	6.4	9.8	1.2	4.2	5			
1953	5.2	8.1	13.3	1.6	4.1	5			
1954	3.5	5.5	9.0	1.9	4.2	6			
1955	2.6	6.6	9.2	1.3	5.8	6			
1956	1.7	7.8	9.5	1.6	5.1	6			
1957	2.0	10.9	12.9	1.7	6.3	8			
1958	1.1	4.7	5.8	1.0	5.1	6			
1959	2.2	6.8	9.0	1.0	5.7	6			
Prince Edward Island:									
1948	0.1	0.3	0.4	0.1	0.2	0			
1949	0.1	0.2	0.3	0.1	0.1	0			
1951	0.2	0.2	0.4	0.1	0.2	C			
1953	0.2	0.7	0.9	0.1	0.2	(
1954	-	0.2	0.2	0.1	0.3	(
1955	0.1	0.4	0.5	0.1	0.3	(
1956	- 1	0.2	0.2	-	0.2	(
1957		0.2	0.2	0.1	0.1	(
1958	0.1	0.2	0.3	0.1	0.3	(
1959	0.1	0.3	0.4	0.1	0.2	(
ova Scotia;									
1948	5.9	6.5	12.4	5.0	5.8	10			
1949	3.4	5.5	8.9	2.7	7.5	10			
1951	1. 8	10.6	12.4	5.0	6.4	11			
1953	4.4	8.9	13.3	7.4	8.4	15			
1954	2.9	7.0	9.9	6.1	7.2	13			
1955	15.1	7.0	22.1	5.6	8.1	1:			
1956	15.8	9.4	25. 2	5.9	9.0	14			
1957	6.8	10.9	17.7	6.5	9.9	10			
1958	4.2	8.3	12.5	5.5	8.5	1			
1959	5.1	9.9	15.0	4.3	12.0	10			
ew Brunswick:									
1948	4.4	10.7	15.1	1.2	7.1				
1949	2.6	10.0	12.6	1.2	6.5	'			
1951	4.2	13.3	17.5	1.7	7.8				
1953	2.1	8.8	10.9	1.7	9.0	1			
1954	2.0	6.5	8.5	1.4	8.4				
1955	2.5	9.8	12.3	2.1	8.5	1			
1956	4.5	12.7	17.2	1.5	9.2	10			
1957	3.5	11.7	15.2	1.3	9.8	11			
1959	11.6 28.3	13.7 26.3	25.3 54.6	1.4 2.0	9.4 8.9	10			
	2010	20.3	04.0	2.0	0.9	10			
uebec: 1948	58.1	127.3	185.4	20.5	76.6	9'			
1949	50.4	113.8	164.2	19.1	80.6	9:			
1951	54.7	143.8	198.5	21.3	96.6	11'			
1953	44.9	140. 2	185.1						
1954	72.4	131.5	203.9	22.0	111.4	133			
1955	96.3	167.8	264.1	22.9	113.9	130			
1956	114.1	222.6	336.7	26.1	116.1	14:			
1957	119.6	256. 2	375.8	30.2	130.8	16:			
1958	83.4	217. 2	375.8	31.7 29.6	131.9	16: 160			

^{..} Not available.

TABLE 23. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces 1948-59 - Concluded

		Ca	pital expenditur	es	Repair expenditures			
	Province	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total	
				\$'000	,000			
Ontario	:							
		89. 4 63. 1	200. 7	290. 1	38. 3	123.4	161.7	
		137.8	177.1	240. 2	30.0	127.3	157.3	
		169. 3	257. 4	395. 2	39. 4	170.4	209.8	
		124.3	330, 1	499. 4	43.5	200. 2	243. 7	
		121.0	292. 0 290. 7	416. 3	46.0	196.9	242.9	
		189. 2	440.9	411. 7 630. 1	43.3	209. 4	252.7	
		219. 5	456. 4	675.9	49.7	239. 2	288.9	
	***************************************	159.0	344. 2	503. 2	50.2	261.8	312.0	
		131.5	370.7	503. 2	49.3 57.1	234.0	283.3 342.2	
Manitoh	a:							
		2.6	8.3	10.9	2.2	6.1	8.3	
		3. 6	9.9	13.5	2. 3	6.5	8.8	
		7.9	9. 7	17.6	2.5	7.5	10.0	
		2. 8	9.0	11.8	3. 2	9.1	12. 3	
1954		15. 1	11.9	27.0	3. 7	8. 2	11.9	
		12.4	15.9	28.3	4.0	7.5	11. 5	
1956		9. 2	15. 0	24. 2	3.9	9. 3	13. 2	
		18.6	11.8	30. 4	4.2	9. 4	13. 6	
		28. 1	20.9	49.0	3.8	8.8	12.6	
		30. 2	28. 6	58. 8	4.8	10.1	14.9	
Saskato	hewan:							
		2. 0	3. 3	5.3	1.0	1.5	2. 5	
		3.5	7.0	10. 5	0.6	2.4	3.0	
		3.7	9.5	13. 2	1.2	2. 4	3.6	
		13. 2	4.6	17. 8	1.9	2.9	4.8	
		9.8	3. 5	13. 3	2. 6	2. 3	4.9	
		5. 3	3.6	8.9	3. 0	1.9	4.9	
1956		6.7	12.6	19. 3	2. 2	2. 1	4.3	
		5, 2	9.4	14.6	2. 8	2.4	5. 2	
		18. 2	5.3	23. 5	2.0	2.5	4.5	
		5. 2	16.7	21. 9	2. 7	3.3	6. 0	
Alberta	:							
1948		9.6	6.7	16.3	2.0	4.8	6.8	
1949		4.4	8.5	12.9	1.6	6.1	7- 7	
1951		12.7	23.9	36.6	2.7	5.8	8.5	
1953		27. 2	64.3	91.5	3.9	8.7	12.6	
1954		22.3	27. 3	49.6	4.2	10.2	14.4	
1955		39.6	21.8	61.4	5.4	11.0	16.4	
1956		55. 5	58.6	114. 1	5.9	10.9	16.8	
1957		27.8	33.8	61.6	7.6	13.5	21.1	
1958		48.3	21.6	69.9	6.7	13.9	20.6	
1959		40.3	35.6	75.9	7. 8	16.4	24. 2	
British	Columbia:							
1948		12.7	30.4	43.1	8. 6	28.4	37.0	
		23. 2	41.2	64. 4	7.6	26. 6	34.2	
1951		41.2	50.2	91. 4	9.9	35. 7	45.6	
1953		55. 2	69.8	125.0	9.3	31.5	40.8	
1954		35. 3	49.1	84.4	8. 7	39.3	48.0	
1955		49.6	78. 2	127.8	9.7	44.6	54. 3	
1956		91.0	126. 3	217. 3	11.3	49.8	61. 1	
1957		116.9	157.7	274.6	9.3	53.4	62. 7	
1958		43.6	61.3	104.9	10.4	48. 3	58. 7	
1959		23.8	63.4	87. 2	11.3	55.4	66.7	

TABLE 24. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-59

	Ca	pital expenditure	s	Repair expenditures			
Group and year	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total	
			\$'000	0,000			
Foods and beverages: 1944 1946 1948 1950	10.7 24.7 31.9 26.0	11. 4 28. 4 56. 5 49. 2 50. 7	22. 1 53. 1 88. 4 75. 2	8.5 12.3 13.2 10.0	21. 2 20. 5 28. 6 31. 6	29.7 32.8 41.8 41.6	
1952 1954 1956 1957 1958	26.6 38.6 32.6 36.3 40.5 45.4	50.7 65.7 76.5 80.8 85.7 87.4	77.3 104.3 109.1 117.1 126.2 132.8	12.5 13.2 12.2 13.0 13.9 14.7	36.0 41.2 45.0 51.0 51.4 54.8	48.5 54.4 57.2 64.0 65.3 69.5	
Cobacco and tobacco products: 1944 ¹ 1946 1948 1950 1952 1954 1956 1957 1958	1.2 0.8 1.0 0.5 0.6 3.5 1.9 4.1 3.3	0.9 1.9 1.6 1.8 2.5 4.7 7.2 7.5	2. 1 2. 7 2. 6 2. 3 3. 1 8. 2 9. 1 11. 6 8. 2	0.5 0.5 0.4 0.5 0.7 0.9 1.1 1.1	0.6 1.3 1.3 1.3 1.7 2.1 2.7 2.8 2.8	1.1 1.8 1.7 1.8 2.4 3.0 3.8 3.9 4.0	
Rubber products (including footwear): 1944 1946 1948 1950 1952 1954 1956 1957 1958	3.9 1.5 0.6 2.7 4.6 2.9 6.1 2.0 3.5	3.6 4.5 4.1 7.3 11.1 11.0 10.9 6.4 9.7	7.5 6.0 4.7 10.0 15.7 13.9 17.0 8.4	1. 1 0. 9 0. 7 0. 9 1. 0 1. 1 1. 1 1. 0		4.85.55 5.55 6.99 8.59.8.9 8.9.55	
Leather products: 1944 1948 1950 1952 1954 1956 1957 1958	1.6 1.2 0.7 0.6 0.5 1.8 1.3 0.5 0.8	1.6 2.2 1.8 1.7 1.8 2.5 2.3	3.2 3.4 2.5 2.3 4.3 3.6 2.4 3.0	1.1 1.0 0.6 0.6 0.7 0.7 0.7	2.4 2.6 2.1 2.0 2.5 2.3 2.3 2.5	3.5 3.6 2.7 2.6 2.6 3.2 3.0 2.9 3.2	
Textile products (except clothing): 1944 1948 1950 1952 1954 1955 1957 1958	1.8 8.4 6.5 6.6 7.0 7.5 10.3 7.9 2.6 4.7	4. 9 16. 2 29. 1 20. 8 24. 5 21. 0 28. 0 31. 4 20. 7 18. 1	6. 7 24. 6 35. 6 27. 4 31. 5 28. 5 38. 3 39. 3 23. 3 22. 8	2. 8 3. 3 3. 9 3. 5 3. 8 2. 7 3. 4 3. 1 2. 8 3. 1	7.6 10.2 14.2 15.9 15.6 14.3 17.1 18.1 16.0	10. 4 13.5 18.1 19.4 17.0 20.5 21.2 18.8 19.9	
Clothing (textile and fur) ² 1944 1946 1948 1950 1952 1954 1956 1957 1959	0.7	1. 1 5. 8 10. 2 9. 4 11. 1 7. 6 8. 4 9. 6 7. 5 10. 9	3.9 8.4 12.3 11.9 12.7 9.8 9.7 10.8 8.2 12.5	3.8 2.2 2.2 1.4 1.3 1.3 1.2 1.1	3.3 3.8 4.8 4.6 4.4 4.0 4.4 3.9	7.1 6.0 7.0 6.0 5.7 5.3 5.6 5.5 5.6	
Wood products: 1944 1946 1948 1950 1952 1954 1956 1957 1958	7.9 8.1 9.3 8.4 14.0 10.3	2. 4 9. 5 18. 5 21. 3 22. 5 24. 5 36. 8 28. 7 22. 1	5.3 20.4 26.4 29.4 31.8 32.8 50.8 39.0 30.9 50.7	4.6 5.7 7.1 5.4 6.1 7.4 6.5 7.4 6.5 9.6.8	13.5 12.2 18.9 19.4 23.5 24.1 28.8 27.6 24.7 29.7	18. 1 17. 9 26. 0 24. 8 29. 6 30. 6 36. 2 34. 1 30. 6 36. 5	

See footnotes at end of table.

TABLE 24. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-59 - Continued

	Ca	pital expenditure	s	Repair expenditures				
Group and year	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total		
	\$'000,000							
Paper products:	8.0	6.7	1.6 17	10	20.0	04.0		
1946 1948 1950 1950 1954 1956 1956 1957 1958	27. 2 29. 1 21. 1 33. 6 21. 6	27. 8 60. 4 57. 4 95. 9 65. 7 172. 3 200. 0 101. 7	14.7 55.0 89.5 78.5 129.5 87.3 257.4 266.3 127.2	1.9 5.3 7.0 8.0 8.3 8.2 10.3 8.1 7.2 9.9	32.3 28.4 47.3 51.7 72.9 75.1 85.6 90.1 85.7 93.8	34.2 33.7 54.3 59.7 81.2 83.3 95.9 98.2 92.9		
Printing, publishing and allied trades:	0.2	2. 2	2.4	0.6	3.9	4.5		
1946 1948 1950 1952 1954 1956 1957 1958	7. 0 5. 0 3. 3 11. 7 5. 3 17. 3 13. 4	4, 4 12, 4 14, 4 11, 0 19, 7 20, 2 22, 8 20, 1 28, 4	7.3 19.4 19.4 14.3 31.4 25.5 40.1 33.5 40.2	1.3 1.6 1.7 1.5 2.4 1.6 2.0 2.0	2.4 3.9 4.1 4.1 4.9 5.5 5.7 6.3 6.7	3.7 5.5 5.8 5.6 7.1 7.7 8.3 8.7		
Iron and steel products:	10.1	22. 2	32, 3	6.5	26.2	32.7		
1946 1948 1950 1952 1954 1956 1957 1958	14.9 19.6 13.5 46.2 22.0	22.0 36.7 30.7 89.7 66.4 122.2 125.1 90.7 124.8	36.9 56.3 44.2 135.9 88.4 162.5 179.6 126.4 165.7	8, 4 12, 0 12, 7 16, 1 12, 6 15, 4 16, 6 14, 4 16, 0	22.8 38.4 41.7 64.8 64.0 93.5 100.1 83.3 121.7	31.2 50.4 54.4 80.9 76.6 108.9 116.7 97.7		
Transportation equipment:	1.6	4.7	6.3	11.0	20.8	31.8		
1946 1948 1950 1952 1954 1956 1957 1958 1959	5.4 9.9 37.1 20.9 16.7 18.1 16.6 20.5	10. 3 10. 0 17. 4 25. 0 44. 3 43. 6 44. 3 37. 7 45. 2	15. 7 15. 4 27. 3 62. 1 65. 2 60. 3 62. 4 54. 3 65. 7	3.7 5.7 5.7 11.6 10.9 10.6 11.6 10.4	14.4 16.8 20.0 31.1 30.0 32.0 33.8 30.7 33.5	18.1 22.1 25.7 42.7 40.9 42.6 45.4 41.1		
Non-ferrous metal products:	6.4	2. 4	8.8	5.0	15.3	20.3		
1946 1948 1950 1950 1952 1954 1956 1957 1957 1958	2.3 8.9 8.9 35.1 20.3 62.4 69.9 43.7 27.8	5.3 16.8 13.5 35.6 33.3 55.0 74.5 52.2 32.8	7.6 25.7 22.4 70.7 53.6 117.4 144.4 95.9 60.6	3. 1 7. 8 4. 0 8. 5 8. 7 11. 4 8. 5 9. 6 12. 2	12. 2 25. 9 24. 6 34. 2 40. 1 50. 9 54. 0 49. 3 51. 7	15.3 33.7 28.6 42.7 48.8 62.3 62.5 58.9		
Electrical apparatus and supplies:	_	-	_		_	_		
1946 1948 1950 1952 1952 1954 1956 1957 1958	3.0 4.8 3.1 21.8 11.7 14.7 13.8 7.3 8.5	8.7 11.9 10.6 18.6 20.0 26.8 30.5 21.8 21.6	11.7 16.7 13.7 40.4 31.7 41.5 44.3 29.1 30.1	1. 2 2. 2 2. 0 2. 8 3. 1 3. 8 3. 3 2. 9 3. 4	5. 0 8. 7 10. 5 11. 7 13. 6 15. 6 15. 4 14. 0 15. 4	6.2 10.9 12.5 14.5 16.7 19.4 18.7 16.9		
Non-metallic mineral products: 1944 1946 1948 1950 1952 1954 1956 1957 1958	1.4 3.5 11.1 4.4 11.2 19.6 51.4 29.4 14.4	1. 2 4. 2 17. 0 12. 0 23. 1 23. 6 68. 6 49. 2 25. 9	2.6 7.7 28.1 16.4 34.3 43.2 120.0 78.6 40.3	0.8 1.4 2.3 1.6 3.9 2.8 3.0 3.1 2.9	6.5 8.4 13.3 15.7 16.6 23.8 31.7 35.9 32.2 39.5	7.3 9.8 15.6 17.3 20.5 26.6 34.7 39.0 35.1		

See footnote at end of table.

TABLE 24. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Groups, 1944-59 - Concluded

	Ca	pital expenditur	es	Repair expenditures			
Group and year	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total	
	\$'000,000						
Products of petroleum and coal: 1944 1946 1948 1950 1952 1954 1956 1957 1958	5. 2 29. 3 14. 3 41. 1 79. 6 83. 9 113. 4 136. 0 109. 2	4.6 13.4 18.5 36.4 14.0 9.1 16.6 7.3 12.5	9.8 42.7 32.8 77.5 93.6 93.0 130.0 143.3	2. 4 6. 6 4. 8 11. 2 15. 7 21. 6 23. 4 26. 6	5.2 6.3 9.7 9.5 11.5 8.1 5.9 6.2 6.3	7.6 12.9 14.5 20.7 27.2 29.7 31.9 29.6 32.9	
Chemicals and allied products: 1944 1946 1948 1950 1952 1954 1956 1957 1958 1959	65.6	1.6 8.0 26.9 19.0 79.8 24.7 87.0 84.1 73.5 56.5	3.0 19.6 41.9 26.3 141.0 39.8 144.9 116.6 81.0	3.7 2.9 4.3 4.3 4.5 6.2 8.1 9.2	8, 1 10, 3 15, 8 19, 1 26, 6 31, 4 31, 9 39, 6 41, 9 45, 0	11. 8 13. 2 20. 1 23. 4 31. 1 37. 6 38. 1 47. 7 51. 1 55. 1	
Miscellaneous industries: 1944 1946 1948 1950 1952 1954 1956 1957 1958 1959	2. 9 2. 7 2. 4 4. 7 2. 7 3. 6 6. 6 2. 7	81. 4 43. 7 65. 8 4. 1 4. 5 8. 7 8. 5 9. 3 10. 5	82. 7 ³ 46. 6 ⁵ 68. 5 ³ 6. 0 8. 88 7. 2 12. 3 15. 1 12. 0 16. 5	1.0 0.9 1.0 0.8 1.1 1.0 1.4 1.5 1.4	1.9 1.8 2.5 2.4 3.2 3.3 3.5 4.1 3.9 4.5	2.9 2.7 3.5 3.2 4.3 4.9 5.6 5.3 6.0	

Figures not compiled separately; they are, however, included in the total. See Table 22.
 Includes "Knitting mills".
 Includes allowance for capital items charged to operating expenses.

Subsection 2. Value of Manufacturing Inventory

As explained in the section on Capital Employed, the collection of statistics on capital investment by manufacturers was discontinued in 1944. This was replaced by the collection annually of expenditure statistics on fixed capital, repairs and maintenance from all large manufacturers, with estimates being made for the smaller establishments. As a result of this change no information was available on investment in inventory. Before long, however, the need for this information became apparent. Consequently, beginning with 1949, calendar year-end inventory values were collected separately from all manufacturing plants with an annual gross value of production of \$50,000 or over. These values are inflated to a total by estimating for small firms in each industry on the basis of the gross value-inventory ratio of reporting firms.

Commencing with 1954 questions on inventory were put back on the forms used in the annual survey of manufactures. As a result, all establishments with shipments of \$50,000 or more were required to give this information. As in the case of the calendar year-end series, estimates for establishments with shipments of under \$50,000 were made on the same basis. By comparing the two series for 1954 it was found that they differed slightly. This is mainly due to the difference in time of reporting this information. In the first series the figures refer to the end of December while in the second they refer to the company year which in a number of cases might be anywhere from the end of January to the end of June. The figures in the first series are accordingly higher by 3.6 p.c. This is due to the policy of most companies to have as low an inventory as possible at the end of their financial year. When the financial

year is other than the calendar year they could and usually do report a higher figure for December than they do for the end of their financial year which is reported in the second series.

It should be noted that the calendar year-end values as shown in the table below are not strictly comparable with those published in previous general reviews on manufacturing, since the series previously published has been reduced by the entire value of inventories held but not owned, i.e. held under progress payment arrangements. The deduction was made from the goods in process component. In previous reviews an item of total inventory holdings was shown separately, but no attempt was made to assign it to any specific component. While the assumption that all such inventory is part of goods in process is not strictly true, it is nevertheless a fairly good working approximation.

Company year-end inventory in 1959 totalled \$4,015,500,000 of which amount \$1,873,200,000 was reported as raw materials and supplies, \$835,300,000 goods in process and \$1,218,800,000 as finished goods, while \$88,200,000 was reported in total only by the fish processing and slaughtering and meat packing industries. The iron and steel group with \$725.5 million reported the highest inventory of any group, followed by foods and beverages with \$606.5 million, paper products \$326.8 million, transportation equipment \$289,1 million, electrical apparatus and supplies \$276.6 million, non-ferrous metal products \$272.5 million, chemicals and allied products \$244.7 million, wood products \$223.7 million, etc.

TABLE 25. Value of Manufacturing Inventory Held at Plant or Plant Warehouse, Exclusive of Goods Purchased for Resale Without Further Processing, 1949-591

Year, province and industrial group	Total inventory	Raw materials and supplies	Goods in process	Finished goods
		\$'000	0,000	
1949 1950 1951 1952 1963 1954 1955 1955 1956 1956 1957 1958	2,333.0 2,638.0 3,390.0 3,350.0 3,519.0 3,212.2 3,409.0 3,821.5 3,973.0 3,838.0	1,448.0 1,781.0 1,817.0 1,830.0 1,592.5 1,670.4 1,827.0 1,820.9 1,785.0	472.0 610.0 568.0 613.0 608.6 706.4 785.8 844.9 765.1	718.0 999.0 965.0 1,076.0 1,011.1 1,032.2 1,208.7 1,155.1 1,192.0
Province				
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories	25.8 2.2 60.0 54.5 1,192.4 2,085.4 100.5 41.1 124.4 328.1 1,1	19.3 0.9 30.6 36.1 609.7 891.5 55.2 18.9 53.3 157.3	0.8 8.3 3.4 236.4 511.5 12.3 2.7 13.4 46.5	3.5 1.1 14.0 11.0 336.6 661.8 28.0 17.0 51.4 93.7
Canada, 1959	4,015.5	1,873.2	835,3	1,218.8
Industrial groups Foods and beverages3 Tobacco and tobacco products Rubber products Leather products Textiles Knitting mills Clothing Wood products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	606.5 113.1 64.0 62.8 187.7 45.1 142.7 223.7 326.8 53.1 725.5 289.1 272.5 276.6 107.4 188.3 244.7 85.9	211, 1 71, 1 19, 2 29, 3 67, 0 13, 0 77, 5 160, 0 340, 7 112, 1 144, 6 83, 2 54, 0 166, 6 116, 9 39, 6	139, 6 5, 4 8, 1 10, 7 44, 1 11, 3 18, 1 14, 4 13, 5 14, 7 192, 2 128, 4 61, 8 91, 8 91, 9	167.7 36.6 36.6 22.8 76.6 20.9 47.0 49.4 68.0 8.4 192.6 48.6 66.2 101.5 44.4 111.7 93.7 26.1

¹ The opening inventory of the current year differs from the closing inventory of the previous year because of the receipt of revised data, the inclusion of new firms and the removal of figures for firms that did not operate during the current year. Revised.

.. Not available

Subsection 3. Employment in Manufacturing Industries

Monthly Record of Employment. - Ordinarily, manufacturing employment in Canada reaches its highest point during the summer months. Some of the seasonal industries, such as canning, are most active then, textile industries are preparing winter goods, and industry generally feels the active demand of the agricultural purchasing power resulting from the prospect of the season's harvest.

After the setback of 1929, employment in 1930, 1931, 1932 and the first half of 1933 declined steadily, the monthly employment figures in each case being lower than the corresponding month of the previous year. The peak of employment in June, 1929, when 575,693 production workers were on the payrolls, was surpassed in September, 1937, with 582,305 production workers. After the outbreak of war the improvement in employment became increasingly rapid. A record high was reached in August, 1943, when 1,067,890 production workers were employed, an increase of 96.4 p.c. over the same month in 1939. The highest employment during 1944 occurred in June when 1,049,557 production workers were employed. From then on employment declined steadily to the end of 1945 when 819,619 production workers were reported. At the end of 1951 there were

953,952 production workers employed, compared with an employment of 961,820 production workers in December, 1944, and 1.021.630 in December, 1943.

During the first half of 1952 the number of production workers increased each month, but not to the extent of the employment in the same month of the previous year. From the middle of the year monthly employment figures exceeded those of the previous year. This trend continued to October 1953. The trend for the next two months was downward so that by the end of 1953 there were only 990,611 production workers as compared with 1,018,764 at the end of December 1952.

The minor recession experienced in 1954 is reflected in the monthly employment figures, the number employed each month being lower than the corresponding month of the previous year, although there was the usual upturn during the summer months. Employment at the end of December at 932,786 was at the lowest level since 1949 when 906,851 persons were employed. December 1952 with 1,018,764 production workers had the highest year-end figures during this period.

^{**}The Vised.

The 'Fish processing' and "Slaughtering and meat packing" industries could not report the three-way breakdown of their inventory. For this reason the three columns do not add to the total.

Less than \$50,000.

Flyures do not add due to rounding. 3 The

The downward trend of 1954 continued until the end of April 1955. From then on, the monthly employment figures were consistently higher than the corresponding months of the previous year. This upward trend continued until May 1957 when manufacturing activity began to decline. June and July saw a slight drop from the corresponding figures of the previous year. Some improvement took place in August, but from September on to the end of the year the monthly figures were consistently lower, so that the year-end employment in 1957 totalled only 963,228 as compared with 1,025,860 in 1956, a drop of 6.1 p.c. This compares with an increase of 3.3 p.c. in 1956 over 1955. Monthly employment figures of production workers in 1958 were lower each month as compared with the corresponding month of the previous year. Employment was at its highest in June and the lowest in December. For 1958 as a whole there was a drop of 6.1 p.c. in the number of production workers employed. There was a moderate improvement in employment in 1959 as compared with 1958. The figures for each month, with the exception of February, were higher than in the corresponding month of 1958. The improvement in the employment situation is reflected in an increase of 1.7 p.c. in December 1959 as compared with December 1958.

TABLE 26. Production Workers Employed in the Manufacturing Industries, by Months and Sex, Significant Years, 1929-59

Month	1929	1933	1939	1943	1949¹	19541	1958²	1959³		
				All wage	-earners					
January Pebruary March April May June July August September October November December	502, 644 519, 423 536, 866 555, 711 574, 905 575, 693 573, 554 567, 022 564, 796 553, 338 527, 213 499, 893	340,027 347,777 355,888 358,759 397,659 392,196 393,464 402,249 410,954 405,757 396,384 380,612	490, 337 496, 160 503, 475 509, 739 530, 864 531, 245 529, 575 562, 355 562, 355 568, 564 563, 117 544, 817	1,023,261 1,030,878 1,036,648 1,033,748 983,058 1,058,645 1,056,975 1,067,890 1,066,595 1,053,486 1,040,738 1,040,738	928,077 932,356 937,714 944,307 961,137 973,324 964,813 975,114 970,324 951,017 934,576 906,851	979,801 985,063 989,350 988,374 1,000,313 1,011,718 1,008,963 1,004,246 986,369 961,505 932,786	953,652 961,566 966,100 972,259 993,427 1,010,044 1,006,809 1,003,846 1,013,763 979,639 974,967 944,183	958,200 961,473 971,192 984,832 1,010,017 1,033,078 1,022,361 1,026,519 1,041,020 1,014,283 979,572 960,420		
	Male									
January Pebruary March April May June July September October November December	397, 459 410, 865 426, 713 443, 560 459, 783 460, 294 459, 051 449, 721 441, 510 432, 576 412, 114 391, 903	257, 445 260, 728 267, 259 271, 348 285, 705 296, 937 300, 329 302, 969 304, 908 301, 315 294, 945 285, 690	381, 997 395, 955 391, 623 398, 982 416, 963 417, 975 417, 987 421, 895 431, 509 437, 220 432, 920 422, 538	751, 269 755, 181 757, 702 755, 888 764, 158 776, 003 779, 687 777, 733 767, 043 754, 484 753, 211 738, 073	716,005 719,374 725,953 732,906 747,614 757,575 750,579 747,518 739,768 725,853 715,188 700,141	775, 348 778, 646 782, 905 784, 744 795, 664 804, 702 802, 063 790, 269 781, 256 769, 127 749, 863 736, 203	754,217 760,660 763,673 769,546 787,598 801,068 795,733 780,013 786,149 761,943 761,843 743,988	755, 349 756, 808 765, 495 779, 574 799, 703 818, 892 807, 616 798, 389 812, 915 796, 663 769, 130 761, 545		
				Fen	nale					
January February March April May June July August September October November December	105, 185 108, 558 110, 153 112, 142 115, 122 115, 399 114, 503 117, 301 123, 286 120, 762 115, 099	82,582 87,049 88,629 87,411 91,954 95,259 93,135 99,280 106,046 104,442 101,439 94,922	108, 340 110, 205 111, 852 110, 757 113, 901 113, 270 111, 588 121, 710 130, 846 131, 344 130, 197	271,992 275,697 278,946 277,860 218,900 282,642 277,288 290,157 299,552 209,002 296,527 283,557	212,072 212,982 211,761 211,401 213,523 215,749 214,234 227,596 230,556 225,164 219,388 206,710	204, 453 206, 417 206, 445 203, 630 204, 648 207, 016 206, 900 218, 963 222, 990 217, 242 211, 642 196, 583	199,435 200,906 202,427 202,713 205,829 208,976 211,076 223,833 227,614 217,696 213,124 200,195	202,851 204,665 205,697 205,258 210,314 214,186 214,745 228,130 228,105 217,620 210,442 198,875		

Beginning with 1949 small establishments with selling value of products of \$50,000 or less were, generally, not required to report employment figures. Monthly and annual estimates were, therefore, made for these establishments so that the published figures are total employment figures of both large and small establishments. For 1949 to 1957 different methods of estimation were used for each industry, the method considered most appropriate in each case being used.

workers introduces some distortion since there is some variation in the number employed each month by the small establishments. This distortion in most cases is not too serious since the number involved is not too large. For manufacturing as a whole the number of production workers employed by small establishments in 1958 was only 4.1 p.c. of the estimated total for all establishments.

'In 1959 three types of forms were used in compiling the census of manufactures (a) large establishments (b) medium-sized establishments and (c) small establishments. Large establishments reported employment figures for the last pay-period of each month. Medium-sized establishments reported employment figures for the last pay-period in March, June, September and December, while the small establishments reported the number employed during the last pay-period in May. To obtain total employment, the figures reported by the medium-sized and small establishments were added to the monthly totals of large establishments, as follows:

Male wage-earners (Table 27)	January	February	March	April	May	June
Large establishments Medlum-slzed establishments Small establishments Totals	676,958	678, 417	687, 104	696, 588	716,717	735,906
	39,910	39, 910	39, 910	44, 505	44,505	44,505
	38,481	38, 481	38, 481	38, 481	38,481	38,481
	755,349	756, 808	765, 495	779, 574	799,703	818,892

propriate in each case being used.

In 1958 the method of estimating monthly employment figures for small establishments was standardized for all industries. For that year small establishments were required to report the number of production workers employed during the last pay period of May 1958. To the monthly totals reported by the large establishments were added the May employment figures reported by small establishments. For example, male production workers reported by large establishments for December 1958 totalled 711,617. To this was added the 32,371 production workers reported by the small establishments for the end of May, giving a grand total of 743,988 for December, shown above. This was done for each month so that the figures shown above are the total monthly employment figures of all establishments, it is realized that this method of estimating monthly employment figures of production workers introduces some distortion since there is some variation in the number employed each month by the small establishments. This distortion is

TABLE 27. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Provinces, 1959

	0	The state of the s	ndustries, by	months, sex	and Provinces	, 1959	
,,	Male	Female	Total	Male	Female	Total	
		Canada			Newfoundland		
Large establishments:			nur	ber			
January	676, 958	169,678	846,636	5, 081	500	5, 581	
February March	678, 417 687, 104	171, 492 172, 524	849, 909 859, 628	5,001 5,343	488	5, 489	
April	696, 588	172,015	868,603	5, 554	534 574	5, 877 6, 128	
May June	716, 717 735, 906	177, 071	893, 788	6,000	654	6,654	
July August	724,787	180, 943 178, 779	916, 849 903, 566 907, 724	7,059 7,310	884 962	7, 943 8, 272	
	715, 560	192, 164	907,724	6,949	797	7, 746	
SeptemberOctober	730, 086 719, 019	192, 139 185, 620	922, 225 904, 639	6,530 6,315	765 645	7, 295 6, 960	
November	691, 486 683, 901	178, 442 166, 875	869, 928 850, 776	5, 772 5, 195	552 490	6, 324 5, 685	
Medium establishments;				.,		0,000	
March	39,910	22, 928	62,838	281	154	435	
June September	44, 505 44, 348	22, 998 25, 721	67, 503 70, 069	351 355	179 198	530	
December	39, 163	21, 755	60, 918	329	190	553 519	
Small establishments:	00 101						
May	38, 481	10, 245	48,726	310	30	340	
	Prince Edward Island Nova Scotia						
Large establishments:			num	ber			
January February	441 423	123 124	564	16,534	2,854	19, 388	
March	466	121	547 587	16,306 16,065	2, 603 2, 718	18, 909 18, 783	
April	575	135	710	16,703	2,884	19, 587	
May June	940 870	552 513	1, 492 1, 383	18, 243 18, 495	3, 359 3, 384	21,602 21,879	
JulyAugust	791 817	421 513	1, 212 1, 330	17, 962 17, 708	3, 266 3, 431	21, 228 21, 139	
September	735	429	1, 164	17, 556	3, 365	20, 921	
October November	663	334 250	997	18, 101	3, 353	21, 454	
December	504	169	673	17, 288 15, 938	3, 230 3, 085	20, 518 19, 023	
Medium establishments:							
March	103	36	139	737	213	950	
June September	119 124	38 47	157 171	1,062 931	220 218	1, 282 1, 149	
December	122	43	165	733	199	932	
Small establishments: May	156	18	174	1, 459	168	1 697	
	150	10	114	1, 405	100	1,627	
		New Brunswick			Quebec		
Large establishments:	1	1	numb	er I	1		
January February	11,841 11,664	1,479 1,427	13, 320 13, 091	203, 991 206, 062	74, 270 75, 249	278, 261 281, 311	
March	11,854	1,733	13,587	208,969	75, 293	284, 262	
	12, 271	1,795	14, 066	212, 830	74, 715	287, 545	
June	13, 814 14, 421	2, 964 3, 287 2, 723	16,778 17,708	219, 491 225, 244	75, 655 75, 926	295, 146 301, 170	
July	14, 225 14, 297	2, 723 3, 445	16, 948 17, 742	225, 003 226, 798	75, 487 78, 726	300, 490 305, 524	
September	13, 752	3, 161	16, 913	224, 932	79, 808	304,740	
October November	13, 053 12, 294	2, 296 1, 847	15, 349 14, 141	219, 941 215, 123	78, 124 75, 777	298, 065 290, 900	
December	11,686	1, 707	13, 393	210, 222	71, 953	282, 175	
Medium establishments:							
March	631	221	852	14, 199	11, 156	25, 355	
June	769 780	217 394	986 1, 174	15, 919 16, 011	10,854 12,044	26, 773 28, 055	
December	592	201	793	13,986	10, 429	24, 415	
	352						
Small establishments: May	917	259	1, 176	11,560	3, 447	15, 007	

TABLE 27. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Provinces, 1959 - Concluded

	Male	Female	Total	Male	Female	Total
		Ontario			Manitoba	
Large establishments:			numbe	1		
January February March April	331,495 329,050 332,171 337,045	75,939 76,592 76,987 76,555	407, 434 405, 642 409, 158 413, 600	21, 989 22, 326 22, 709 22, 853	5,681 5,861 5,825 5,662	27,670 28,187 28,534 28,515
May	343,274 351,013 347,041 340,193	77, 714 79, 512 77, 360 86, 427	420, 988 430, 525 424, 401 426, 620	23,509 23,851 24,211 24,341	5,860 6,161 6,335 6,177	29,369 30,012 30,546 30,518
September October November December	348,459 346,041 328,562 331,298	86,358 83,955 81,436 75,271	434,817 429,996 409,998 406,569	24,253 23,657 23,159 22,047	6,181 5,960 5,824 5,321	30,434 29,617 28,983 27,368
Medium establishments:						
March June September December	14,443 16,106 16,197 14,286	8,110 8,308 9,203 7,914	22,553 24,414 25,400 22,200	1,093 1,178 1,321 1,128	1,220 1,166 1,291 1,093	2,313 2,344 2,612 2,221
Small establishments: May	14,878	4,398	19,276	1,544	480	2,024
	S	askatchewan			Alberta	
Large establishments:			number			
January February March April	6,443 6,473 6,432 6,321	662 664 688 734	7,105 7,137 7,120 7,055	21,945 22,065 22,344 21,289	2,761 2,822 2,861 2,917	24,706 24,887 25,205 24,206
May June July August	6,711 7,035 7,167 7,078	815 884 998 899	7,526 7,919 8,165 7,977	22,082 22,966 23,515 23,789	3,190 3,256 3,462 3,460	25,272 26,222 26,977 27,249
September October November December	6,818 6,664 6,430 6,377	736 755 754 740	7,554 7,419 7,184 7,117	23,528 23,007 22,491 22,701	3,550 3,156 2,994 2,882	27,078 26,163 25,485 25,583
Medium establishments:						
March June September December	589 699 698 632	154 166 164 154	743 865 862 786	1,697 1,549 1,401 1,587	513 564 553 428	2,210 2,113 1,954 2,015
Small establishments:						
May	692	134	826	1,621	398	2,019
	Bri	tish Columbia		Yukon and Northwest Territories		
Large establishments:	1	1	number	1	1	
January. February March April	57,161 59,007 60,708 61,099	5,399 5,653 5,754 6,033	62,560 64,660 66,462 67,132	37 40 43 48	10 9 10 11	47 49 53 59
May June July August	62,603 64,895 57,507 53,537	6,296 7,125 7,754 8,277	68,899 72,020 65,261 61,814	50 57 55 53	12 11 11 12	62 68 66 65
September October November December	63,479 61,540 59,714 57,900	7,775 7,034 5,771 5,249	71,254 68,574 65,485 63,149	44 37 34 33	11 8 7 8	55 45 41 41
Medium establishments: March June September December	6,111 6,744 6,523 5,747	1,150 1,285 1,608 1,103	7, 261 8, 029 8, 131 6, 850	26 9 7 21	1 1 1 1 1 1	27 10 8 22
Small establishments:	5, 326	911	6,237	18	2	22

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1959

	Male	Female	Total	Male	Female	Total	
	Foo	ds and beverage:	S	Tobacco and tobacco products			
Large establishments:			numbe	per			
January February March April	92,360 91,272 92,689 96,300	23, 834 23, 475 23, 993 24, 835	116, 194 114, 747 116, 682 121, 135	4,715 4,840 4,416 4,144	5,859 5,859 5,821 5,099	10, 574 10, 699 10, 237 9, 243	
May	103, 237 109, 152 111, 346 114, 581	29, 928 32, 747 33, 837 41, 996	133, 165 141, 899 145, 183 156, 577	3, 269 3, 110 2, 905 2, 914	4,822 4,498 4,292 4,254	8,091 7,608 7,197 7,168	
September October November December	109, 174 104, 893 101, 231 96, 822	38, 972 33, 894 30, 577 25, 163	148, 146 138, 787 131, 808 121, 985	3, 095 3, 103 3, 477 4, 513	4,412 4,423 5,068 5,480	7,507 7,526 8,545 9,993	
Medium establishments: March June	5,971 6,543	3, 077 3, 421	9, 048 9, 964		=	_	
September December	7,341 6,203	5,300 3,304	12, 641 9, 507		_	=	
May	7, 074	2,659	9, 733	47	29	76	
	R	ubber products		L	Leather products		
Large establishments:	numbe			er			
January Pebruary March April	11,717 11,867 11,941 11,930	2,746 2,816 2,781 2,822	14, 463 14, 683 14, 722 14, 752	11,869 12,007 12,143 11,934	9,399 9,554 9,555 9,358	21, 268 21, 561 21, 698 21, 292	
May June July August	12, 104 12, 460 12, 474 12, 548	3, 038 3, 103 3, 063 3, 202	15, 142 15, 563 15, 537 15, 750	11,883 12,073 11,991 12,159	9, 355 9, 460 9, 534 9, 754	21, 238 21, 533 21, 525 21, 913	
September October November December	12, 734 12, 588 12, 136 11, 819	3, 299 3, 268 3, 038 2, 837	16,033 15,856 15,174 14,656	12, 027 11, 828 11, 622 11, 439	9,642 9,270 9,278 9,095	21,669 21,098 20,900 20,534	
Medium establishments: March June September December	307 314 323 308	185 186 182 171	492 500 505 479	2,444 2,497 2,483 2,348	2,600 2,590 2,632 2,422	5, 044 5, 087 5, 115 4, 770	
Small establishments:	43	22	65	400	286	686	
May		ducts (except cle		Clothing			
			number				
Large establishments: January	31, 269 31, 422 31, 582 31, 595	15, 770 15, 857 15, 837 15, 855	47, 039 47, 279 47, 419 47, 450	16,643 16,887 16,875 16,284	43,966 45,031 44,820 43,987	60,609 61,918 61,695 60,271	
May June July August	31,891 32,076 31,311 31,520	15, 988 15, 961 15, 320 15, 643	47, 879 48, 037 46, 631 47, 163	16, 087 16, 323 16, 781 17, 204	43,555 43,410 43,296 45,255	59,642 59,733 60,077 62,459	
September October November December	31,704 30,215 29,748 29,723	15, 818 15, 424 15, 177 14, 563	47,522 45,639 44,925 44,286	17, 183 16, 730 16, 132 16, 330	45,623 45,142 43,503 41,123	62,806 61,872 59,635 57,453	
Medium establishments: March June September December	1, 188 1, 249 1, 269 1, 196	1, 105 1, 174 1, 151 1, 080	2, 293 2, 423 2, 420 2, 276	3, 458 3, 245 3, 570 3, 203	9,643 9,193 9,912 8,500	13, 101 12, 438 13, 482 11, 703	
Small establishments:	668	705	1,373	685	1,940	2, 625	

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1959 — Continued

	Male	Female	Total	Male	Female	Total	
		Knitting mills			Wood products		
Large establishments:			num	iber			
January February March April	4,553 4,640 4,599 4,580	10,368 10,579 10,596 10,476	14,921 15,219 15,195 15,056	70,999 72,926 74,390 73,667	4,659 4,784 4,829 4,863	75,658 77,710 79,219 78,530	
May June July August	4,552 4,592 4,477 4,578	10,336 10,608 10,462 10,944	14,888 15,200 14,939 15,522	80,164 83,581 75,704 70,721	4,982 5,109 4,840 4,583	85, 146 88, 690 80, 544 75, 304	
September October November December	4,633 4,509 4,462 4,342	11, 138 11, 142 10, 893 10, 231	15,771 15,651 15,355 14,573	79,422 76,711 72,958 70,194	4,929 4,884 4,795 4,530	84,351 81,595 77,753 74,724	
Medium establishments:							
March June September December	705 705 700 673	2, 192 2, 221 2, 249 2, 095	2,897 2,926 2,949 2,768	12,717 15,531 14,092 11,882	589 611 630 592	13,306 16,142 14,722 12,474	
mall establishments:	161	391	552	6,904	199	7,103	
•		Paper products			ublishing and al		
V			num				
Large establishments: January February March April	63,323 63,510 63,764 64,832	6,779 6,796 6,873 6,872	70,102 70,306 70,637 71,704	27, 236 27, 354 27, 575 27, 616	6,539 6,521 6,708 6,681	33,775 33,875 34,283 34,297	
May June July August	65,991 67,895 68,826 69,148	6,947 7,097 6,986 7,254	72,938 74,992 75,812 76,402	27,718 27,902 27,646 27,626	6,691 6,819 6,791 6,842	34,409 34,721 34,437 34,468	
September October November December	68,002 66,803 65,924 64,969	7,309 7,211 7,090 6,901	75,311 74,014 73,014 71,870	28,097 28,233 28,228 27,964	7,245 7,283 7,298 6,803	35,342 35,516 35,526 34,767	
Medium establishments: March June September December	968 999 1,034 1,023	929 944 1,046 994	1,897 1,943 2,080 2,017	3,803 3,817 3,871 3,890	1,060 1,075 1,043 1,057	4,863 4,892 4,914 4,947	
Small establishments:	527	501	1,028	3,580	924	4,504	
	Iron	and steel produ	cts	Tran	sportation equip	ment	
Large establishments:			num	ber			
January February March April	114, 956 118, 038 120, 743 122, 873	5,849 5,830 5,962 5,973	120,805 123,868 126,705 128,846	86,305 81,742 84,435 85,563	3,422 3,283 3,271 3,274	89,727 85,025 87,706 88,837	
May June July August	126,436 130,241 128,220 128,148	5,980 6,102 5,991 6,113	132,416 136,343 134,211 134,261	84,859 85,902 80,529 70,579	3,284 3,152 2,086 2,644	88, 143 89,054 82,615 73, 223	
September October November December	130, 119 129, 896 126, 440 122, 500	6, 293 6, 294 6, 075 5, 928	136, 412 136, 190 132, 515 128, 428	80,320 81,992 69,922 77,591	2,964 3,094 2,382 3,018	83,284 85,086 72,304 80,609	
Medium establishments: March June September December	4,077 4,530 4,664 4,170	293 324 336 331	4,370 4,854 5,000 4,501	167 181 165 145	=======================================	167 181 165 145	
Small establishments:	9,885	390	10, 275	2, 140	86	2, 226	

TABLE 28. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1959 — Concluded

	Male	Female	Total	Male	Female	Total	
	Non-fe	errous metal prod	ucts	Electrica	l apparatus and s	upplies	
Large establishments:			numbe	ī			
January February March April	33,982 33,862 34,450 35,168	2,178 2,228 2,220 2,173	36, 160 36, 090 36, 670 37, 341	31,325 31,524 31,669 31,876	13,559 13,736 13,734 13,974	44,884 45,260 45,403 45,850	
May June July August	35,678 36,236 36,367 36,636	2,205 2,264 2,302 2,387	37,883 38,500 38,669 39,023	32,383 32,902 32,739 33,140	14, 149 14, 516 14, 348 14, 924	46,532 47,418 47,087 48,064	
September	36,263 36,080 35,864 35,783	2,432 2,195 2,144 2,088	38,695 38,275 38,008 37,871	33, 863 33, 227 32, 997 32, 291	15, 308 15, 249 14, 784 13, 992	49,171 48,476 47,781 46,283	
Medium establishments: March	453 453 467 456	187 179 182 169	640 632 649 625	- - -	= = =	=======================================	
Small establishments: May	1,358	175	1,533	1,317	854	2,171	
	Non-me	tallic mineral pro	oducts	Product	s of petroleum an	d coal	
Large establishments:			numi	nber			
January February March April	25,378 25,824 26,552 28,068	1,710 1,785 1,820 1,916	27,088 27,609 28,372 29,984	9,490 9,532 9,640 9,681	52 53 55 56	9,542 9,585 9,695 9,737	
May June July August	29,613 30,666 30,987 31,205	1,903 2,020 1,952 1,890	31,516 32,636 32,939 33,095	10,013 10,114 10,118 10,060	58 56 56 57	10,071 10,170 10,174 10,117	
September	30,657 29,954 28,692 26,929	1,848 1,851 1,865 1,735	32,505 31,805 30,557 28,664	9,907 9,637 9,563 9,548	55 50 49 50	9,962 9,687 9,612 9,598	
Medium establishments: March June September December	1,664 2,378 2,292 1,654	134 155 169 143	1,798 2,533 2,461 1,797	=======================================	_ =	=======================================	
Small establishments: May	1,523	84	1,607	42	***	42	
	Chemic	als and allied pr	oducts	Misc	ellaneous industr	ies	
			numb	per			
Large establishments: January February March April	26,800 26,936 25,253 25,813	5,060 5,115 5,303 5,303	31,860 32,051 30,556 31,116	14,038 14,234 14,388 14,664	7, 929 8, 190 8, 346 8, 498	21,967 22,424 22,734 23,162	
May June July August	25,955 25,689 27,394 27,509	5,325 5,489 5,237 5,429	31,280 31,178 32,631 32,938	14, 884 14, 992 14, 972 15, 284	8,525 8,532 8,386 8,993	23,409 23,524 23,358 24,277	
September October November December	27,524 27,325 27,106 26,695	5,423 5,478 5,222 5,096	32,947 32,803 32,328 31,791	15,362 15,295 14,984 14,449	9, 429 9, 468 9, 204 8, 242	24,791 24,763 24,188 22,691	
Medium establishments: March June September December	226 264 235 221	45 45 42 43	271 3 09 277 264	1,762 1,799 1,842 1,791	889 880 847 854	2,651 2,679 2,689 2,645	
Small establishments:	987	398	1,385	1,140	602	1,742	

Subsection 4. Hours Worked in Manufacturing Industries

Hours Worked by Production Workers. - From 1932, the first year for which figures on hours worked per week by production workers are available, to 1945, each firm was required to report the number of hours worked by all its production workers during the month in which the greatest number had been employed, the only exception being the years 1938 and 1939 when one week in a month of normal employment was reported. In 1938 the number of hours worked per week were compiled by sex, and a change was also made in the analysis of the weekly hours worked. Since 1940 the hours worked per week include overtime while prior to that overtime was excluded. These changes make it impossible to measure accurately the changes in the number of hours worked per week. In any case, the figures in Table 29 do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all firms. For a given industry, however, the month of highest employment is more significant as in this case it coincides for a great number of firms engaged in the same industry.

For all production workers, the hours worked per week declined from 48.9 in 1932 to 47.2 in 1939, and reached 50.6 in 1941, some of the increase no doubt being due to the inclusion of overtime. Since then there was a counter movement in the hours worked, especially among females, due to the employment of many workers on a part-time basis. Whereas in 1939 there were only 2.8 p.c. of male and 5.3 p.c. of female production workers working under 30 hours per week, in 1944 these percentages rose to 5.3 and 12.5 respectively. Since the end of the war the normal working week has been dropping steadily. In 1945 average hours per week for male production workers totalled 47.6 and for females 42.7.

The method of collecting statistics on hours worked was changed in 1946. Instead of collecting this information for one week in the month of highest employment which varied from plant to plant, the last week of November was chosen for the base period. For 1948 and subsequent years the period was changed to the last week in October. The question on hours worked was taken out of the annual schedules used in connection with the census of manufactures and this information is now collected by the Employment Statistics Section. Establishments employing 15 hands or over only are covered. The statistics for 1946 to 1957 are, therefore, not exactly comparable with those for earlier years which include all establishments, both large and small.

On the above basis, the hours worked per week declined for all workers engaged in manufacturing. The hours of male production workers dropped from 44.9 in 1946 to 42.1 in 1959. female production workers from 40.0 to 38.9, male office employees from 42.0 to 38.9 and female office employees from 39.5 to 37.6.

Persons employed in 1950, 1953, 1956 and 1959 were classified on the basis of earnings per week instead of hours worked. For this reason the distribution of employees by hours worked per week is not available for these years. It is the intention in future to classify employees one year on the basis of hours worked, the second year on the basis of weekly earnings, while in the third year no break-down of either the hours worked or weekly earnings will be collected. Instead a more detailed break-down of salaried employees into (a) managerial and professional and (b) office workers will be requested.

Administrative and office employees as a rule work shorter hours than production workers as the following figures for 1959 indicate..

	Production workers	Supervisory and office employees
Both sexes	41.4	38.5
Male	42.1	38.9
Female	38.9	37.6

TABLE 29. Production Workers in Manufacturing, Working Specified Numbers of Hours per Week in the Month of Highest Employment, 1938-451

Hours worked per week	1938	1939	1942	1943	1944	1945
All production workers:			per ce	nt		
30 or less	1	1	1	1	1	
31-43	4.1	3.4	4.3	6.2	7.4	7.4
44	16.9	14.6	8.6	10.7	12.7	16.2
45 - 47	14.3	13.8	7.7	7.4	9.5	12.1
48	11.3	10.9	7.0	8.3	9.1	10.8
49 - 50	10.6	22.2	21.4	20.5	20.6	21.4
51 - 54	6.7	11.2	9.2	9.6	9.8	9.8
55	3.5	7.9	12.9	12.5	10.8	8.4
56 - 64	10.4	4.1	5.6	5.2	4.4	3. 2
65 or over	1.5	10.4	16.9	14.6	11.8	7.6
	100.0	100.0	6.4	5.0	3.9	3. 1
Average hours per week			100.0	100.0	100.0	100.0
	46.7	47.2	50.2	48.8	47.5	46. 2
Male production workers:						
30 or less	3.4	2.8	3.6	4.6	5.3	5.4
31 - 43	16.6	14.2	7.0	7.9	9.8	13. 1
44 45 - 47	13.1	12.7	6.9	6.2	9.0	11.7
48	10.5	10.0	5.6	7.2	7.9	9.8
49-50	21.3	22.8	21.7	21.5	21.5	22. 9
51-54	10.0	10.6	8.4	8.8	9.5	10.0
55	7.4	8.2	12.6	13.2	11.9	9.5
55-64	3.6	4.4	5.8	5.7	5.0	3.8
65 or over	12.3	12.5	20.4	18.3	15.1	9.7
	100.0	1.8	8.0	6.6	5.0	4.1
		100.0	100.0	100.0	100.0	100.0
Average hours per week	117.3	48.1	51.3	50.4	49.1	47.6
Temale production workers:			1			
30 or less	6.7	5.3	6.2	10.0	12.5	12.3
31 - 43	17.9	15.8	13.0	17.6	20.1	23.8
44	18.3	17.8	9, 9	10.3	10.8	13. 2
45 - 47	14.2	13.9	11.1	11.2	12.2	13. 2
48	18.8	20.4	20.8	18.2	18.4	17.7
49-50	12.6	13.2	11.5	11.6	10.5	9. 1
51 - 54	4.5	6.6	13.5	10.7	8.2	5.7
55	3.1	3.5	4.9	4.0	2.9	1.9
56 - 64	3.5	3.2	7.2	5.3	3.4	2.4
65 or over	. 4	.3	1.9	1.1	1.0	. 7
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	44.6					

¹ For 1938 and 1939, the hours worked do not include overtime, while for 1940 to 1945 overtime is included.

TABLE 30. Production Workers in Manufacturing Working Specified Numbers of Hours During the Last Week in October,

1946 - 58 ¹										
Hours worked per week	19462	19472	1948	1949	1952	1955	1958			
All production workers:		1		per cent						
30 or less	6.7	6.7	0.1							
31 - 34	0.1	6.7	6.1	6.3	6.1	5.9	6.0			
35-39	10.8	7.8	3.0	3.1	3.5	4.1	4.9			
40	9.9	12.2	8.4 13.2	8.5 15.3	8.1	8.2	9.8			
41 - 43	11.5	10.6	10.9	11.1	25.9 11.9	32.2	38.1			
44	10.3	8.5	9.3	8.6	6.6	11.3	10.8			
45-47	18.2	18.7	18.9	18.8	13.9	11.5	4. 6 9. 5			
48	13.7	12.9	11.8	10.7	7.6	6.7	5. 2			
49 - 50	6.6	6.5	6.1	5.7	5.0	4.2	3.4			
51 - 53	1	4.3	4.0	3.9	3.6	3.4	2.6			
54	5.4	1.3	1.3	1.2	1.3	1.1	0.9			
55-64	6.0	6.5	6.0	5.9	5.5	4.7	3.5			
65 or over	0.9	1.1	1.0	0.9	1.0	0.8	0.7			
	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
Average hours per week	43.7	43.7	43.6	43.3	42, 6	42,0	41,1			
Male production workers:										
30 or less	4.7	4.6	4.4	4.3	4.6	4.4	4.5			
31 - 34	1	2.1	2. 2	2.3	2. 9	3.5	4, 5			
35 - 39	8.0	6.1	6.4	6.7	6.6	6.6	8. 2			
40	9.6	11.9	12.9	15.5	27.3	34.2	40.4			
41 - 43	10.6	9.2	9.9	10.4	11.3	10.8	10.5			
44	10.7	8.7	9.7	8.8	6.4	5.9	4.5			
45 - 47	18.8	19.7	19.4	19.2	13.9	11.2	9.4			
48	15.8	15.0	13.9	12.5	8.5	7.5	5.7			
49 - 50	7.1	7.0	6.6	6.3	5.4	4.5	3.6			
51 - 53	6.3	4.9	4.6	4.4	3.9	3.6	2.8			
54	J	1.6	1.5	1.3	1.5	1.3	1.0			
55-64	7.3	7.8	7.3	7.1	6.5	5.5	4.1			
65 or over	1.1	1.4	1.2	1.2	1.2	1.0	0.8			
Average hours per week	44.9	44.9	44.7	44.4	43.4	42.7	41.7			
Female production workers:										
30 or less	13.1	13.7	12.2	12.8	11.9	11.6	11.7			
31 - 34] 19.7	5.5	5.6	5.8	5.9	6.4	6.7			
40	,	13.6	15.0	14.6	13.5	14.1	15.6			
41 - 43	10.8	13.4	14.1	14.8	20.9	25.1	30.7			
	14.6	15.0	14.5	13.3	13.9	13.1	12.2			
45 - 47	16.1	7.8 15.9	7.9	7.9 17.5	7.4	5.6	4.9 9.6			
48	7.1	5.7	5.1	4.5	3.9	3.7	3.1			
49 - 50	5. 0	4.9	4.1	3.9	3.3	3.3	2.4			
51 - 53	1	2. 0	2.0	2.3	2.4	2.3	1.3			
54	2.5	0.5	0.5	0.5	0.6	0.6	0.4			
55 - 64	2.1	1.9	1.5	2.0	1.9	1.7	1.3			
65 or over	0.1	0.1	0.1	0.1	0.2	0.1	0.1			
	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
Average hours per week	40.0	39.7	39.8	39, 8	39, 6	39, 4	38.7			

¹ Classified statistics on hours worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics which are collected every third year cover establishments employing 15 hands or over only.

² Last week in November.

TABLE 31. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Provinces, 1946-591

Note: Hours worked by wage-earners from 1938 to 1945 are given on page 53 of the 1950 "General Review of the Manufacturing Industries of Canada".

Province and according	Pro	duction workers		Administrati	ve and office e	mployees	
Province and year	Both sexes	Male .	Female	Both sexes	Male	Female	
			average	age hours			
Canada:					1		
1946 1949 1951 1953	43.7 43.3 42.0 41.7 41.5	44.9 44.4 43.0 42.6 42.3	40.0 39.8 37.9 38.5 38.5	41. 1 40. 1 39. 5 39. 0 39. 0	42. 0 40. 8 40. 0 39. 5	39.5 38.6 38.2 37.9	
1955 1956 1957 1958	42. 0 41. 8 40. 5 41. 1 41. 4	42.7 42.5 41.2 41.7 42.1	39. 4 39. 2 37. 7 38. 7 38. 9	39, 1 38, 9 38, 6 38, 5 38, 5	39. 4 39. 6 39. 4 39. 0 38. 8	37.9 37.9 37.6 37.6	
Newfoundland:	****	12. 1	30, 9	30, 5	38, 9	37.6	
1950	46, 9	47. 7	41.9	42, 6	42.5	20.0	
1951	45. 5 44. 1	46.1	40.5	43.0	43.5 43.3	39.9 42.0	
1953 1954	43. 2	44. 6 43. 8	40. 2 37. 4	42.7 41.8	43.0 42.0	41.3 41.0	
1955	42.8	43.3	38.3	40.7	40.9	39.9	
1956 1957	41. 5 40. 9	41. 9 42. 0	38.0 33.4	41. 4 40. 8	41.6 40.9	40.8 40.3	
1958 1959	38. 5 37. 5 38. 8	39. 2 38. 2	32. 4 32. 2	40. 8 41. 3	41. 2 41. 8	39. 1 39. 2	
	30, 0	39, 5	32.7	41.4	41.7	39.8	
Prince Edward Island:							
1946 1949	46.3 47.7	46. 9 48. 1	45.0 46.8	=	=	-	
1951 1953	45. 9 45. 8	46. 4 46. 2	44. 4 44. 6	43.4 40.5	44.3 41.0	41.3	
1954	45. 2	45. 8	43.0	40.5	40.8	39.7	
1955 1956	44.3 44.7	45. 1 45. 8	42.0 41.8	41. 0 40. 8	41.3	40.4	
1957 1958	38. 9 42. 5	40. 6 45. 2	34, 3 36, 3	41. 8 42. 2	41. 2 42. 1	40, 1 41, 1	
1959	40. 3	42. 1	35. 2	42.3	43. 1 42. 8	40. 4 41. 0	
Vova Scotia:							
1949 1951	45.7 44.5	46. 0 44. 8	43.6 42.6	43. 1 40. 5	44.1	40.7 39.6	
1953 1954	43.3 41.6	43.4	42. 9 41. 2	41. 7 40. 5	42.3 40.9	40. 2 39. 2	
	41. 1	41.4	39.3	40, 8	41.6	38.6	
1955 1956	41. 4 41. 3	41.6 41.3	39. 9 41. 0	41. 1 40. 5	42.0 41.3	38, 4 38, 3	
1957 1958	40.7 40.5	41. 0 40. 5	38.7 40.9	39. 8 38. 8	40.5	37. 9 37. 4	
1959	41.5	41.7	40. 2	38, 9	39.3	37.7	
New Brunswick:							
1946	46. 0	46.7	42.9	43.2	44.3	40.9	
1951 1953	45. 4 44. 3	46.9 45.5	41. 3 39. 1	42. 8 41. 8	43. 8 42. 6	40.6 40.1	
1954	42. 7 42. 6	43.8 43.3	37. 0 37. 6	40, 9 40, 3	41. 1 40. 9	40.6 38.9	
1955	43.2	43. 9	39.0	40, 5	41.3	38. 2	
1956 1957	43. 2 43. 7 40. 7	44.3 41.5	40. 4 36. 1	40.7 39.8	41.5	38. 4 38. 3	
1958 1959	42. 6 42. 1	43, 4 42, 8	38. 3 38. 3	40. 0 40. 5	41. 0 41. 1	37. 5 38. 9	
uebec: 1946							
1949	45.4 44.5	47. 1 46. 3	41. 2 40. 2	41.5 40.4	42.5 41.1	39.6 38.8	
1951 1953	43. 0 42. 8	44.8 44.4	37.8	39. 7 39. 2	40.3	38. 1 37. 9	
1954	42.3	43.7	38. 5 38. 7	39.0	39.4	37. 8	

See footnote at end of table.

TABLE 31. Average Hours Worked per Week in the Manufacturing Industries of Canada by Provinces, $1946-59^{\circ}$ — Concluded

U	y Provinces,	1946-99 0	oncluded			
Province and year	1	Production works	ers	Administrat	ive and office e	mployees
	Both sexes	Male	Female	Both sexes	Male	Female
Quebec - Concluded:			average	hours		
1955	43.3	44.7	39.8	39. 2	39.7	37. 9
	43.2	44.5	39.7	39. 0	39.4	37. 8
	41.4	42.7	37.9	38. 4	38.8	37. 5
	41.8	42.9	38.8	38. 2	38.7	36. 9
	42.3	43.6	39.0	38. 4	38.7	37. 6
Ontario: 1946 1949 1951 1953 1954	42.8	44.0	38. 8	40.5	41, 3	39. 2
	42.8	43.8	39. 4	39.7	40, 4	38. 3
	41.6	42.4	37. 9	39.0	39, 5	37. 9
	41.4	42.0	38. 7	38.7	39, 2	37. 6
	41.2	41.8	38. 6	38.8	39, 2	37. 7
1955	41.6	42. 1	39, 3	38. 9	39. 3	37. 8
1956	41.3	41. 9	39, 1	38. 7	39. 1	37. 7
1957	40.3	40. 9	37, 9	38. 5	38. 9	37. 6
1958	41.0	41. 6	39, 0	38. 4	38. 7	37. 4
1959	41.3	41. 8	39, 2	38. 5	38. 8	37. 5
Manitoba; 1946 1949 1951 1953 1954	42.8 43.4 41.6 40.9 41.2	43.8 44.5 42.4 41.7 41.9	39.6 39.7 38.4 37.9 38.7	42.7 41.3 40.3 39.9 39.3	43.3 41.9 40.5 40.2 39.7	41. 1 39. 9 39. 6 38. 8 38. 0
1955	41.6	42.3	39. 1	39. 6	40. 1	38. 2
1956	41.2	41.7	39. 3	39. 4	39. 9	38. 1
1957	40.0	40.8	37. 2	39. 2	39. 6	38. 2
1958	40.7	41.3	38. 7	38. 7	39. 0	37. 9
1959	41.0	41.6	39. 0	38. 5	38. 8	37. 6
Saskatchewan:				,		
1946	44.0	44.3	41. 2	42.9	43.7	41. 3
1949	42.4	42.9	39. 2	42°2	42.7	41. 1
1951	41.4	41.8	38. 6	41.3	41.6	40. 9
1951	41.2	41.6	37. 8	40.7	41.3	39. 4
1953	41.5	42.3	35. 8	40.5	40.6	40. 1
1955	41.4	42. 1	36. 5	40. 4	40.7	39. 6
1956	40.7	41. 2	37. 3	40. 2	40.5	39. 5
1957	40.0	40. 5	36. 2	39. 4	39.7	38. 7
1958	40.5	40. 8	38. 7	38. 8	39.0	38. 1
1959	41.3	41. 5	39. 7	39. 0	39.1	38. 6
Alberta: 1946. 1949. 1951. 1953. 1954.	43.2	43.5	41.6	42.9	43.6	41.5
	43.5	43.9	40.7	42.2	42.8	40.6
	41.3	41.6	38.6	41.3	41.6	40.3
	41.2	41.7	38.1	40.0	40.4	38.8
	41.4	42.1	36.6	40.2	40.5	39.2
1955	41. 3	41. 8	37. 9	39. 9	40. 4	38, 6
1956	41. 1	41. 4	38. 6	40. 0	40. 3	38, 9
1957	39. 7	40. 3	36. 0	39. 4	39. 8	38, 4
1957	40. 5	40. 9	37. 5	39. 7	40. 1	38, 3
1958	40. 8	41. 4	37. 2	39. 5	39. 8	38, 7
British Columbia:						40.
1946	41. 2	41. 5	39, 2	41. 9	42.4	40. 6
1949	40. 1	40. 5	37, 2	40. 4	40.7	39. 6
1951	39. 1	39. 5	35, 9	40. 0	40.2	39. 1
1951	39. 5	39. 8	36, 4	39. 4	39.7	38. 4
1953	39. 6	40. 0	35, 6	39. 3	39.7	38. 2
1955	39. 6	39. 9	36. 4	39. 4	39. 8	38. 2
1956	39. 5	39. 8	36. 5	39. 2	39. 4	38. 3
1957	38. 1	38. 5	34. 4	38. 6	38. 8	38. 0
1957	39. 0	39. 3	35. 7	38. 7	38. 9	37. 9
1958	39. 1	39. 4	36. 0	38. 7	39. 0	37. 7

¹ Statistics on hours worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over only. For 1946 and 1947 they refer to the last week in November and for 1948 to 1959 to the last week in October.

TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Groups, 1946–59¹

	by Industria	l Groups, 194	16 - 59-			
	Pro	duction workers		Administrati	ive and office er	nployees
Group and year	Both sexes	Male	Female	Both sexes	Male	Female
			avera	ge hours		
Foods and beverages:	40.0	A = 7	38.8	42. 2	43.2	40.3
1946 1949	43.9 44.3	45.7 46.2	39.4	41.2	42.1	39.4
1951 1953	43.4	45.0 44.1	39.0 38.8	40.5	41.1	39. 1 38. 4
1954	41.8	43.3	37.9	39.7	40.2	38.4
1955	42.0	43.5	38.2	39.9 39.8	40.6	38. 2 38. 2
1956	41.8	43.2	38.6 37.0	39.0	39.4	37.8
1958 1959	41.6	43.0 42.7	37.9 38.1	39. 2 39. 0	39.7 39.5	37.7 37.7
Tobacco and tobacco products:						
1946	42.9	45.6	41.4	41.3	42.1	40.4
1949 1951	43.6	45.6 43.8	42.6 40.0	40.0	40.5 37.5	39. 2 36. 8
1953	40.5	41.8	39.7 39.5	37.3 37.6	37. 4 37. 8	37.2 37.2
1954	40.5	42.1				37.3
1955	40.3	41.4	39.7 38.2	37.8 37.8	38.0 37.9	37.6
1957	38.6 39.6	40.4	37.6 38.5	37.6 37.8	37.7 37.9	37. 2 37. 7
1958 1959	40.4	41.5	39.6	38.2	38.4	37.8
Rubber products:						
1946	44.8 42.3	45.6 42.8	42.3 40.9	40.4	40.9	39. 2 38. 2
1949 1951	41.4	42.0	39.5	38.3	38. 4 39. 1	38.0 38.2
1953	41.4	42.3 42.0	38.6 40.0	38.9	39. 4	38. 2
1955	43.0	43.6	40.8	38.9	39.2	38.3
1956	42.4	43.1	39.9 38.9	38.8	39. 1 39. 6	38.1 38.5
1957	41.9	42.5	39.7	38.7	38. 9	38.3 38.0
1959	42.4	42.9	40.6	38.6	38.8	30.0
Leather products:	42.5	43.9	40.6	43.1	44.5	40.3
1946	40.1	41.3	38.4	41.5	42.6	39. 2
1951	37.6	38.7 39.9	36.0 36.7	40.2	41.2	38.1 37.9
1954	37.8	38.7	36.5	39.6	40.5	37.9
1955	40.6	41.7	39.1	39.8	40.8	37.9 37.8
1956 1957	40.4	41.7	38.9 36.6	39.6 39.1	40.1	37.1
1958 1959	39.8 39.6	40.9	38.4 39.0	38.8	39.4 40.1	37.6 37.3
Textile products (except clothing):	43.8	46.6	41.3	41.5	42.6	39. 4
1949	44.6	46.4	41.8	41.0	41.9	39. 2 38. 4
1951	40.4	42.0 42.3	37.7 38.9	39.7	40.5	38.1
1954	43.0	44.3	40.6	39.3	40.0	38.0
1955	43.5 43.2	45.0 44.7	40.9 40.5	40.1	40. 9 39. 6	38. 1 37. 7
1956	41.7	43.0	39. 2	38.6	39. 2	37.5
1958	42. 0 43. 3	43.2 44.6	39.6 40.8	38.5	39. 1	37.1 37.5
Clothing (including knitting mills):						
1946	41.0	44.8	38.7	41.5	42.7	39.8
1949	39.2	41.6	38.2 35.8	40.6	41.7	39.1 38.3
1951	38.2	40.6	37.3	39.6	40.6	38. 2 38. 0
1954	38.4	40.5	37.5	39.4	40.4	
1955	39.6	41.7	38.8 39.0	39.9	40.8	38.6 38.3
1956	37.8	39.8	37.0	39.0	40.1	37.6 38.2
1958	38.9	41.0 41.0	38.2 38.3	39.2	40.0	38.2 37.8

See footnote at the end of the table.

TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Groups, 1946-591—Continued

~ 0	ndustrial Group						
Group and year	Pro	duction workers		Administrative and office employees			
	Both sexes	Male	Female	Both sexes	Male	Female	
Wood products:			average	ge hours			
1946	45.1	45.4	41.3	43.7	45, 2	40. 2	
1949	44.1	44.3	40.6	42.4	43, 5	39. 4	
1951	42.9	43.0	40.6	41.5	42, 5	38. 7	
1953	43.8	44.0	40.4	41.2	42, 1	38. 5	
1954	43.2	43.4	40.2	40.9	41, 8	38. 2	
1955	43.5	43.7	40.9	40.9	41.8	38. 2	
	43.3	43.4	40.7	40.8	41.6	38. 1	
	41.8	41.9	39.2	40.1	40.9	37. 7	
	42.9	43.0	40.5	40.1	40.9	37. 8	
	42.9	43.0	40.2	40.1	40.9	37. 6	
Paper products:							
1946 1949 1951 1953	47.1 47.1 46.5 43.6 42.7	48. 2 47. 9 47. 2 44. 0 43. 1	41.0 41.9 40.9 40.0 39.2	40. 9 39. 9 38. 9 38. 0 37. 7	41.6 40.4 39.3 38.3 37.9	39. 4 38. 4 38. 0 37. 1 37. 0	
1955	43.0	43.2	41.0	37.7	38.0	37. 0	
	42.4	42.7	40.0	37.5	37.7	36. 8	
	41.0	41.2	38.7	37.4	37.7	36. 7	
	41.5	41.6	40.2	37.2	37.5	36. 6	
	41.9	42.1	39.8	37.4	37.5	36. 7	
Printing, publishing and allied industries: 1946	42.0	43.3	38.5	39, 9	40.6	39.0	
	41.0	41.8	38.3	38, 7	39.2	37.8	
	40.0	40.6	38.0	38, 2	38.5	37.8	
	40.0	40.7	37.9	37, 3	37.4	37.0	
	40.2	40.7	38.4	37, 7	37.9	37.3	
1955	40.1	40.7	38. 2	37. 6	37.9	37. 2	
1956	40.3	40.9	38. 1	37. 3	37.5	37. 1	
1957	39.5	40.2	37. 0	37. 6	37.8	37. 3	
1958	39.6	40.1	37. 8	37. 3	37.4	37. 1	
1959	39.7	40.2	37. 8	37. 3	37.4	37. 1	
Iron and steel products: 1946	44.8	45.0	41.8	40.9	41.5	39.3	
	43.6	43.7	41.5	39.8	40.3	38.4	
	42.5	42.7	39.8	39.1	39.6	37.9	
	42.1	42.2	39.6	38.9	39.3	37.6	
	41.6	41.7	38.9	38.9	39.2	37.8	
1955	42.6	42.8	39.9	38, 9	39. 2	37. 8	
1956	42.4	42.5	39.2	37, 8	39. 2	37. 7	
1957	40.6	40.7	38.1	38, 6	38. 9	37. 7	
1957	41.1	41.2	39.0	38, 6	38. 9	37. 6	
1958	41.8	42.0	38.8	38, 6	38. 9	37. 7	
Transportation equipment: 1946 1949 1951 1953 1953	42.3	42.4	40.3	42.2	42.8	40.5	
	42.9	43.0	39.6	41.5	41.9	40.1	
	42.1	42.2	38.7	41.0	41.3	39.9	
	41.6	41.8	38.1	39.9	40.2	38.8	
	41.3	41.4	38.4	40.3	40.7	38.8	
1955	40.5	40.6	38.6	40.2	40.5	39. 1	
1956	40.8	40.9	39.1	40.2	40.5	39. 1	
1957	40.1	40.2	36.9	39.6	39.9	38. 5	
1957	40.3	40.4	38.3	39.2	39.4	38. 4	
1958	40.6	40.7	38.0	39.1	39.3	38. 4	
Non-ferrous metal products:					40.4	40.1	
1946 1949 1951 1953	44.0 44.4 41.8 41.5 41.7	44.5 44.6 42.0 41.6 41.9	40.9 41.8 40.0 39.8 40.0	41.6 40.9 39.6 39.4 38.8	42. 4 41. 8 40. 2 39. 9 39. 2	40.1 38.8 38.1 37.8 37.5	
1955	42.0	42.1	40.7	38. 6	39. 1	37. 3	
1956	41.6	41.7	40.4	38. 4	38. 7	37. 5	
1957	41.0	41.1	38.8	37. 9	38. 2	37. 0	
1958	40.0	39.9	40.5	38. 1	38. 3	37. 2	
1959	41.2	41.3	40.1	38. 2	38. 5	37. 2	

See footnote at end of table.

TABLE 32. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Industrial Groups, 1946-591 — Concluded

by Industrial Groups, 1946-591 — Concluded											
	Pro	duction workers		Administrati	ve and office en	nployees					
Group and year	Both sexes	Male	Female	Both sexes	Male	Female					
			average	hours							
Electrical apparatus and supplies:		1			1						
1946	41.9	42.7	40.3	39.6	40.1	38.6					
1949	42.1 41.5	42.8 42.5	40.3 38.7	39.0 38.8	39.3	38.3 37.6					
1951 1953	41.8	42.6	40.1	38.6	38.8	37.9					
1954	40.9	41.5	39.5	38.8	39.1	38. 1					
1955	42.3	43.5	40.2	38.8	39.1	38. 1					
1956	41.7	42.7	39.3	39.1 38.7	39.4 39.0	38.4 38.0					
1957	40.3	41.2	38.2 39.5	38.6	38.8	38.2					
1959	41.3	42.0	39.6	38.9	39.0	38.6					
Von-metallic mineral products:											
1946	46.1	46.6	42.0	41.4	42.3	39.2					
1949	46.0 45.0	46.4 45.3	41.8	39.9 39.3	40.8	37.8 37.6					
1951	44.4	44.7	40.9	39.2	39.9	37.1					
1954	44.7	45.0	40.5	39.0	39.6	37. 2					
1955	45.0	45.3	40.5	39.5	40.1	37.5					
1956	44.2 43.0	44.5 43.3	39.9 39.0	39.0	39.6 39.8	37. 2 37. 5					
1957	44.1	44.4	39.9	38.4	38.9	36.7					
1959	44.4	44.7	40.3	38.9	39.3	37.4					
Products of petroleum and coal:											
1946	41.9	42.0	-	39.5	39.9	38.2					
1949 1951	41.9	41.9		38.0 38.4	38.6	36.1 37.1					
1953	41.6	41.7	_	37.2	37.5	36.2					
1954	41.6	41.7	_	36.8	37.0	36.1					
1955	41.5	41.6	-	36.9	37.1	36.3					
1956	40.6 41.4	40.6 41.5	_	36.8	37.0 37.0	36.1 36.1					
1957 1958	40.8	40.8	_	36.3	36.5	35.8					
1959	41.1	41.1	-	36.6	36.8	36.1					
Chemicals and allied products:											
1946	44.4	45.3	41.0	39.5	40.0	38.8 37.8					
1949	44.3 42.7	45.1 43.3	40.8	38.7 38.6	39.2 38.9	37.8					
1953	42.3	42.9	39.5	38.3	38.5	37.7					
1954	41.6	42.1	39.0	38.0	38.2	37.6					
1955	41.5	42.0	39.2	38.3	38.6	37.7					
1956	41.5	42.0 41.3	39. 2 38. 8	38.0 37.8	38.1 37.9	37.6 37.6					
1957	41.3	41.7	39.3	37.8	38.0	37.4					
1959	41.1	41.5	39.0	37.8	38.0	37.5					
Miscellaneous industries:											
1946	42.9	43.9	41.0 10.7	43.1 40.5	41.9	38.7 37.6					
1949 1951	42.8 41.8	44.2	39.5	38.9	40.1	37.0					
1953	42.2	43.7	40.0	38.9	39.4	37.8					
1954	42.1	43.1	40.3	38.8	39.6	37. 5					
1955	42.7	44.1	40.6	39.1 38.3	39.9	37.7 37.4					
1956	42.5	43.9 42.3	40.6	38.3	38.8	37.1					
1958	42.1	43.0	40.6	38.1	38.4	37.4					
1959	42.5	43.4	41.1	38.3	38.6	37.5					

¹ Statistics on hours worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over only, For 1946 and 1947 they refer to the last week in November and for 1948 to 1959 to the last week in October.

Subsection 5. Earnings in Manufacturing Industries

In 1959, the 36,193 establishments covered, employed 306,049 administrative and office employees and 997,907 production workers, a total of 1,303,956. Out of every 1,000 persons employed in manufacturing, 235 were classed as office employees and 765 as production workers; the former earned 30 p.c. and the latter 70 p.c. of the total amount paid out as remuneration for services.

A notable feature during the past few years was the reduction in the disparity between average annual earnings of office and production workers. Whereas in 1939 average annual earnings of production workers were only 56 p.c. of that paid to office workers, in 1943 the percentage rose to 76, they declined to 69 in 1947 and rose to 71 in 1959. This tendency towards equalization was due, in part, to the controls

adopted by the Government during the war years which tended to stabilize earnings of office workers more so than the earnings of production workers. The increase in average earnings of production workers was also influenced by the fact that large numbers were employed in the highly paid iron and steel industries and by the increase in the number of hours worked, some at overtime pay.

Ontario has a larger proportion of females among its office employees than the other provinces. The same situation prevails in Quebec with regard to production workers, due, no doubt, to the textile industries of the Province. The importance of the textile industries in providing employment to females is strikingly illustrated by the fact that of all female production workers engaged in the manufacturing industries of Canada in 1959, 41 p.c. were found in the textile and clothing groups.

Average earnings of office workers in 1959 amounted to \$4,998 which was \$2,162 or 76 p.c. higher than in 1949. Office employees in Ontario with \$5,217 were the highest paid. Those

in British Columbia were second with \$5,118, Quebec third with \$4,910, Alberta fourth with \$4,511 and Manitoba fifth with \$4,402. The fact that head offices of many large corporations are located in Montreal, Toronto, Winnipeg and Vancouver tends to raise the average salary of the provinces in which these cities are located.

Average annual earnings of production workers in 1959 amounted to \$3,551 which was \$1,484 or 72 p.c. higher than in 1949. The manufacturing industries of British Columbia paid the highest average annual wages of \$3,918. Ontario with \$3,814 was in second place, followed by Alberta with \$3,647, Saskatchewan \$3,646, Manitoba \$3,333, Quebec \$3,203, Newfoundland \$3,090, etc. The high figure shown for Yukon and Northwest Territories in regard to average earnings of production workers is due to the unusual conditions under which industry is carried on in these regions, and is not representative, Statistics of the distribution of employees by provinces and industrial groups as well as average annual earnings are given in Table 33.

TABLE 33. Annual Earnings in the Manufacturing Industries, by Provinces and Industrial Groups, 1959 with Totals for Significant Years, 1917-58

	Administrative and office employees ¹					Production workers				
	Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings		
	num	ber	dollars	3	nun	nber	dollar	S		
1917	64,	918	85, 353, 667	1,315	541,	605	412,448,177	762		
1920	78,3	334	141,837,361	1,811	520,	559	575,656,515	1,106		
1922	71,	586	129,836,831	1,814	384,	670	359,560,399	935		
1924	54,379	15,641	130,344,822	1,862	322,719	94,871	404, 122, 853	968		
1926²	58,245	17,092	142,353,900	1,890	374, 244	109,580	483,328,342	999		
19292	67,731	21,110	175, 553, 710	1,976	454,768	122,922	601,737,507	1,042		
19302	64,161	20,550	169, 992, 216	2,007	416,790	113,195	527, 563, 162	995		
19311	71,198	20,293	172, 289, 095	1,883	337,636	99,513	415, 277, 895	950		
1932	68,264	18,786	151,355,790	1,739	288,817	92,966	322, 245, 926	844		
1933	67,875	18,761	139,317,946	1,608	287,266	94,756	296,929,878	777		
1934	71,963	20,132	148,760,126	1,615	326,598	101,119	355,090,929	830		
1935	76,213	21,717	160, 455, 080	1,638	353,790	104,944	399,012,697	870		
1936	81, 409	23,008	173, 198, 057	1,659	379,977	109,965	438,873,377	896		
1937	91,092	24,735	195, 983, 475	1,692	427, 285	117,339	525,743,562	965		
1938	95,270	25,319	207, 386, 381	1,719	409,172	112,255	498, 282, 208	956		
		,								
1939	98,165	26,607	217,839,334	1,746	415,488	117,854	519,971,819	975		
1940	104, 267	31,493	241,599,761	1,780	491,439	135,045	679, 273, 104	1,084		
1941	117, 251	41,693	286, 336, 861	1,801	626,825	175,409	978, 525, 782	1, 220		
1942	123,125	54,062	334,870,793	1,890	732,319	242,585	1,347,934,049	1,383		
1943	128,679	64,516	388,857,505	2,013	762, 854	285,019	1,598,434,879	1,525		
1944	126,858	65,700	418,065,594	2,171	744,635	285,689	1,611,555,776	1,564		
1945	128,601	62, 106	417,857,619	2, 191	680,620	248,045	1,427,915,830	1,538		
1946	127,002	54,004	410,875,776	2,270	662,699	214,451	1,329,811,478	1,516		
1947	135, 248	55,852	474,693,800	2,484	721,407	219, 243	1,611,232,166	1,713		
1948	141,038	57, 192	532, 594, 959	2,687	738,721	218,770	1,876,773,231	1,960		
1949	157,516	64,035	628, 427, 937	2,836	732,457	217, 199	1,963,462,720	2,067		
1950	164,475	66,578	692,633,349	2,998	736,477	215,767	2,078,634,086	2,183		
1951	176,943	70,844	816, 714, 604	3,296	792,394	218,194	2,459,566,313	2,434		
1952	188,235	74,792	923,905,251	3,513	810,060	215,295	2,713,714,909	2,647		
1953	195,843	78,382	1,016,679,409	3,707	828,363	224,863	2,940,338,939	2,792		
1954	199,763	79,173	1,075,101,215	3,854	779,955	209,075	2,821,586,476	2,853		
1955	206,881	80,588	1,147,142,086	3,990	796,721	214,271	2,995,267,448	2,963		
1956	216, 295	85,002	1,272,025,985	4,222	831,336	220,387	3, 298, 666, 205	3,136		
1957	226, 282	87,602	1,403,401,749	4,471	827,328	217,849	3,416,226,250	3, 269		
1958	221,881	85,986	1,469,324,281	4,773	772,297	209,438	3,333,171,979	3,395		

See footnotes at end of table.

TABLE 33. Annual Earnings in the Manufacturing Industries, by Provinces and Industrial Groups, 1959 with Totals for Significant Years, 1917-58 — Concluded

	Adn	ninistrative	and office employ	yees¹		Produc	ction workers	
Province and group	Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
	nun	ber	dollar	'S	num	ber	dollars	
Provinces, 1959								
Newfoundland	1,782	294	7, 167, 534	3,453	6,651	893	23,313,757	3,090
Prince Edward Island	355	102	1,226,042	2,683	939	373	2, 630, 144	2,005
Nova Scotia	3,917	1,128	19,412,109	3,848	19,595	3,528	68, 281, 920	2,953
New Brunswick	2,672	875	13,832,209	3,900	14,549	2,831	50,040,663	2,879
Quebec	70,349	26,783	476,937,605	4,910	243,570	90,535	1,069,995,065	3,203
Ontario	109,233	44,972	804,464,853	5,217	369,181	92,360	1,760,219,381	3,814
Manitoba	6,897	2,642	41,988,977	4,402	26,017	7,589	112,009,048	3,333
Saskatchewan	2,512	956	13,963,802	4,026	8,011	1,060	33,070,014	3,646
Alberta	7, 229	2,447	43,648,577	4,511	25,824	4,022	108,856,836	3,647
British Columbia	15,902	4,974	106,833,797	5,118	71,560	8,732	314, 571, 289	3,918
Yukon and Northwest Territories	23	5	142, 494	5,089	74	13	467,590	5,375
Canada	220, 871	85,178	1, 529, 617, 999	4, 998	785, 971	211, 936	3,543,455,707	3,551
Industrial groups, 1959								
Foods and beverages	27, 893	11,565	176,415,444	4,471	115,685	36,949	486,123,712	3,185
Tobacco and tobacco products	995	507	8,403,593	5,595	3,766	5,019	29, 674, 625	3,378
Rubber products	3,810	1,532	26,450,174	4,951	12,550	3, 201	60,408,863	3,835
Leather products	2,597	1,360	18, 203, 644	4,600	14,763	12, 292	64,531,579	2,385
Textiles	8,972	4,069	62,617,002	4,802	33,082	17,456	140,286,498	2,776
Knitting mills	1,300	1,051	10,885,782	4,630	5,403	13,238	41,301,513	2,216
Clothing	6,926	4,715	55,764,007	4,790	20,736	55,301	171,748,934	2,259
Wood products	18,785	3,700	84,896,025	3,776	95,697	5,609	302,965,702	2,991
Paper products	13,449	4,711	109,760,625	6,044	67,594	8,477	320,603,881	4,215
Printing, publishing and allied industries	18,071	11,888	129,009,466	4,306	35, 163	8,804	179, 254, 727	4,077
Iron and steel products	35,428	11,455	243,785,906	5,200	139,379	6,707	617,659,781	4,228
Transportation equipment	21,696	5,708	158,483,835	5,783	83,113	3,089	373,103,752	4,328
Non-ferrous metal products	9,320	2,785	66,611,319	5,503	37,323	2, 597	170,116,653	4,261
Electrical apparatus and supplies	18,563	6,300	133, 592, 998	5,373	33,811	15, 209	183, 264, 088	3,739
Non-metallic mineral products	6,842	1,958	43,517,215	4,945	32,450	2,099	135, 136, 583	3,911
Products of petroleum and coal	5,313	1,587	42,695,672	6,188	9,818	57	51,200,704	5, 185
Chemicals and allied products	14, 166	6,991	109,806,000	5,190	27,895	5,730	133,411,726	3,968
Miscellaneous industries	6,745	3,296	48,719,292	4,852	17,743	10,102	82,662,386	2,969

¹ The increase in the number of office employees in 1931 is due to the following changes in method: 1. Prior to 1931 working proprietors, such askers, sawmill operators, small clothing manufacturers, etc., were considered as production workers. In 1931 and subsequent years, however, all such proprietors were considered as office employees. 2. In 1931 travelling salesmen who were attached to the plant, and devoted all or the greater part of their time to selling the products of that plant, were included with office employees. Prior to this they were not reported at all.

² The averages of the number of production workers and earnings for the years 1931 to 1959 are strictly comparable with those for the years up to 1925 but not with those for the intervening years. The figures for the latest years—as for the earliest—represent the earnings for complete manyears of work, with no allowance for periods of unemployment. The difference amounts only to about 3 or 4 p.c. in the total figures and affects chiefly the seasonal industries.

Average Annual Earnings in the Forty Leading Industries.— Variations in average earnings are related to the number of employees in industries or areas where pay levels are above or below the average because of differences in basic pay rates, in sex and occupational distributions, in amounts of bonus or commission payments, levels of activity, etc. The earnings of salaried men are substantially higher, on the average, than those of other categories, mainly because their numbers include relatively highly-paid managerial and professional workers. Women's earnings are generally well below those of men in the same industry, chiefly as a result of pay differentials, occupational differences, the greater incidence of part-time work and absenteeism among women, and their higher proportions of younger and less experienced workers.

In 1959 there were five industries paying office workers \$6,000 or over, as compared with three in 1958 and none in 1956. Indicative of the rapidly changing pattern of remuneration in manufacturing is the fact that in 1945, the last year of the war, no industry paid office workers annual salaries of over \$3,000. The highest average earnings in that year were

\$2,935 reported by the brewing industry. Highest average earnings in 1957, amounting to \$6,121 were received by the administrative and office employees of the pulp and paper industry which has held the premier position for a number of years. This was the first year that any industry averaged over \$6,000 in annual earnings. In 1959 there were five industries in this category, viz., pulp and paper \$6,624, petroleum refining \$6,324, motor vehicles \$6,282, primary iron and steel \$6,225 and non-ferrous metal smelting and refining \$6,055. There were eight industries with annual averages of \$5,500 to \$6,000 nine with averages of \$5,000 to \$5,500, ten with averages of \$4,500 to \$5,000, five with averages of \$4,000 to \$4,500 and only three with annual averages below \$4,000. Of these industries sawmills had the lowest average of \$2,784, followed by bread and other bakery products with \$3,574 and butter and cheese with \$3,545. Average salaries in the forty leading industries totalled \$5,105 in 1959 as compared with \$4,776 for the smaller industries. This lower average is due in part to a higher proportion of female office workers in the smaller industries. In the forty leading industries 25 p.c. of the office employees were female while in the smaller industries 33 p.c. were in this category.

The increase in the average earnings of production workers since 1945 paralleled that of administrative and office employees. Whereas in 1945 there were only four industries averaging over \$2,000, in 1957 none of the forty leading industries averaged below this figure. In 1945 the highest annual earnings, amounting to \$2,365, were paid by the motor vehicle industry, while in 1959 the highest earnings which totalled \$5,318 were paid by the petroleum products industry. The highest earnings are usually paid by industries in which the proportion of skilled workers is high. In 1959 there were only two industries with annual averages exceeding \$5,000 while five others had averages of \$4,500 to \$5,000. These industries were: petroleum refining \$5,318, primary iron and steel \$5,040, acids, alkalies and salts \$4,876, motor vehicles \$4,786, printing and publishing \$4,681, pulp and paper \$4,591. and aircraft and parts \$4,523. In eleven other industries annual earnings averaged between \$4,000 and \$4,500, in eight between \$3,500 and \$4,000, in seven between \$3,000 and \$3,500 while in the remaining seven they were below \$3,000. This last group includes industries made up of a large number of small establishments and in which the proportion of female workers is high. Bread and other bakery products with \$2,998, sash, door and planing mills \$2,931, cotton yarn and cloth \$2,642, women's factory clothing \$2,381, fruit and vegetable preparations \$2,357, leather footwear \$2,312 and men's factory clothing \$2,272 are the industries in this category. Average annual earnings of production workers in the forty leading industries amounted to \$3,726 as compared with \$3,168 for the smaller industries. The lower average for the smaller industries is due mainly to a higher proportion of female workers. Employment, by sex, and average annual earnings in the forty leading industries are given in Table 34.

TABLE 34. Annual Earnings in the Forty Leading Industries, 1959

Note: Industries ranked according to the aggregate salaries and wages paid

		Admi	inistrative	and office employ	yees		Produ	ction workers	
No.		Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings
		num	ber	dollars		nun	ber	dollars	
1	Pulp and paper	9,081	2,621	77,510,375	6.624	52.302	1,024	244,800,929	4.591
2	Primary iron and steel	4,576	1,163	35,722,622	6,225	28,996	207	147, 187, 529	5,040
3	Motor vehicles	5,750	1,428	45,089,019	6,282	20,938	345	101,867,306	4,786
4	Sawmills	8,628	821	26,306,238	2,784	38,996	214	118, 452, 965	3,02
5	Aircraft and parts	8,013	2,324	60, 256, 779	5,829	17,695	484	82, 228, 125	4.52
6	Non-ferrous metal smelting and refining	4,648	644	32,042,472	6,055	22,402	52	105, 184, 743	4,68
7	Printing and publishing	9,151	5,396	63,347,624	4,355	14,340	1,990	72,023,971	4,41
8	Slaughtering and meat packing	4,138	1,441	29,050,661	5,207	17, 163	4,124	86, 919, 590	4,083
9	Bread and other bakery products	3,987	1,216	18,597,381	3,574	23,348	7,853	93, 534, 146	2,998
10	Miscellaneous electrical apparatus and sup-		-,	20,001,002	0,011	20,010	1,000	33,301,110	2,330
	plies	5,892	2,142	41,848,385	5,209	12,321	5,771	68,648,625	3,794
11	Machinery, industrial	6,457	2,220	41,904,807	4,829	15,454	674	65, 409, 193	4,056
12	Printing and bookbinding	4,612	2,422	33,766,263	4,800	14,579	5, 484	72,905,008	3,634
13	Furniture	4,531	1,520	27,026,118	4,466	24,061	2,387	79, 378, 093	3,001
14	Sheet metal products	3,692	1,395	26,673,536	5, 243	14,181	1,513	63,447,635	4, 043
15	Rubber including footwear	3,810	1,532	26,450,174	4,951	12,550	3,201	60, 408, 863	3,835
16	Motor vehicle parts	3,172	1,000	23, 303, 563	5,586	12,687	2,026	.61, 894, 944	4,20
17	Railway rolling stock	2,373	253	15, 122, 440	5,759	17,585	37	68, 557, 869	3,890
18	Petroleum products	4,860	1,450	39,903,640	6,324	7,775	57	41,651,127	5,318
19	Machinery, heavy electrical	5, 268	1,525	37, 595, 159	5,534	8,875	1,689	43,777,601	4, 144
20	Telecommunication equipment	5,311	1,760	39,175,151	5,540	5,873	5,987	38, 755, 244	3,268
21	Clothing, men's factory	2,476	1,696	19, 123, 277	4,584	7,703	17,334	56,887,994	2,272
22	Butter and cheese	3,053	1,818	17, 269, 329	3,545	15,213	851	54, 768, 796	3,409
23	Clothing, women's factory	1,789	1,493	17,972,598	5,476	5,073	17,487	53,721,641	2,381
24	Bridge and structural steel work	3,083	709	20, 928, 159	5,519	10,920	13	48,413,472	4,428
25	Castings iron	2,143	684	14,578,865	5, 157	12,667	217	53, 297, 545	4, 137
26	Boxes and bags, paper	2,396	1,009	16,577,409	4,869	9,284	4,872	46,719,571	3,300
27	Shipbuilding	1,840	498	11,543,348	4,937	11,918	35	50, 557, 191	4,230
28	Agricultural implements	2,416	606			10,457	100	45, 415, 276	4,302
29	Sash, door and planing mills			16,325,858	5,402		163		
30		3,103	596	15,396,829	4, 162	14,299		42,391,583	2,931
31	Hardware, tools and cutlery	2,300	1,107	17,105,863	5,021	9,180	1,599	39, 218, 871	3,638
32	Synthetic textiles and silk	2,830	1,137	19,799,821	4,991	8,698	2,339	33,842,513	3,066
33	Acids, alkalies and salts	2,787	744	19,782,633	5,603	6,872	49	33,745,150	4,876
	Footwear, leather	1,686	893	11,189,770	4,339	9,332	8,965	42,310,699	2,312
34	Cotton yarn and cloth	2,139	1,001	13,516,750	4,305	10,062	5,002	39,796,732	2,642
35	Miscellaneous chemical products	3,150	1,260	23,374,634	5,300	5,999	1,183	28, 180, 153	3,924
36	Concrete products	2,168	447	12,503,912	4,782	9,895	56	37,595,590	3,778
37	Wire and wire goods	1,710	696	12,883,427	5,355	7,338	766	32,792,139	4,046
38	Fruit and vegetable preparations	1,990	1,073	14,149,603	4,620	6,762	6,214	30,580,779	2,357
39	Miscellaneous iron and steel products	2,060	491	12,551,826	4,920	7, 216	524	28, 985, 210	3,745
40	Veneer and plywood	914	252	6,782,600	5,817	8,890	1,551	33,874,909	3,244
	Totals, forty leading industries	153, 983	52,483	1,054,048,918	5, 105	569,899	114, 439	2,550,129,320	3,726
	Totals, other industries	66,888	32,695	475, 569, 081	4,776	216,072	97, 497	993, 326, 387	3, 168
	Totals, all industries	220,871	85.178	1, 529, 617, 999	4,998	785,971	211,936	3, 543, 455, 707	3,551

Average Annual, Weekly and Hourly Earnings, - Statistics on employment and earnings are compiled in two separate divisions of the Bureau, viz. the Industry and Merchandising Division and the Labour Division. The Industry and Merchandising Division collects from every manufacturer once a year details of the number of persons employed and total payments made during the calendar year, classified by sex. This data is also classified into (a) administrative and office employees and (b) production and related workers. The office employees reported is the average for the year, while in the case of production workers manufacturers report the number of workers receiving pay during the last pay period of each month and the monthly average is calculated in the Bureau. We thus have statistics on employment broken down by sex with separate figures on the amounts paid to (a) administrative and office employees referred to as Office Employees and (b) production and related workers referred to as Production Workers. Average annual earnings, not broken down by sex, are, therefore, available for these two classes of employees.

Statistics on weekly and hourly earnings as well as hours worked per week are compiled by the Employment Section of the Labour Division. In addition to the monthly surveys on employment, payrolls and man-hours which covers all sectors of the economy, there is an annual survey on earnings and hours worked in the last week of October, covering the larger manufacturing establishments. Each year statistics of earnings and hours of male and female wage-earners and salaried employees are obtained, with additional detail collected in a three-year cycle since 1949. In 1959, as in 1956, 1953 and 1950 a distribution of wage-earners and salaried employees by amounts earned in the survey week was made. The first two inquiries had required distributions in \$5 intervals to \$60 per week, in \$10 intervals thereafter, with an upper class of \$100 and over while the 1956 and 1959 survey called for distributions in \$10 intervals to \$150 a week. In 1955, a distribution of wage-earners in a given range of hours was obtained while, in 1954, information for office and clerical workers was segregated from that for managerial, professional and other salaried personnel. The annual and monthly surveys cover establishments usually employing 15 or more persons and include almost 90 p.c. of all employees in manufacturing as reported to the Annual Census of Manufactures.

Establishments co-operating in the annual surveys are asked to furnish material for all full-time, casual and part-time employees receiving pay in the last week in October, except home-workers. Proprietors, firm members, pensioners, and staffs of separately-organized sales offices are excluded. Establishments closed in the week because of labour disputes usually report for the nearest week of operation. Men and women are grouped as (1) wage-earners, defined generally as production workers, including working foremen, route-drivers, shipping and maintenance staffs, and related employees, and (2) salaried employees, comprising general office and clerical workers in the office and plant, executive, administrative and professional personnel, and travelling salesmen directly responsible to the plant administration. Hours and earnings in the week are required for workers of both sexes in each category.

The reported hours include full-time, short-time and overtime hours worked and any hours of paid absence in the week. The earnings cover the gross payrolls before deductions for taxes, unemployment insurance contributions, etc., including time, piece-work and commission earnings, regularly-paid incentive, cost-of-living and other bonuses, overtime earnings, and payments to persons absent with pay during the survey week.

While establishments differ to some extent in their classification of certain categories of employees, the proportions of salaried employees in the various industries and areas are generally related to the type and scale of operations. Where plants are typically small, as in Saskatchewan, proprietors and firm members (excluded from the surveys) frequently undertake managerial and office duties that in larger establishments require substantial staffs. On the other hand, large and multiple plant organizations and those requiring many professional workers, such as printing and publishing, employ above-average proportions of salaried personnel. Where travelling salesmen and associated office workers appear on the plant payroll, salaried workers are relatively more numerous than where

separate sales offices are maintained. The proportions of employees reported as salaried staff and as wage-earners are affected by seasonal and market conditions and by other factors contributing to variations in production levels, which usually cause sharper fluctuations in numbers of wage-earners than of salaried employees.

Inter-industry and area variations in hours, as well as year-to-year changes, result from a variety of causes. These include (1) the length of the standard work week, (2) the number of casual and part-time workers and the hours they worked in the reported week, (3) amounts of overtime worked, and of time lost through absenteeism, labour turnover, industrial disputes, lay-offs, etc., (4) differing occupational requirements, and (5) varying proportions of men and women. Women generally average substantially less time than men. Their standard work week tends to be shorter, relatively small proportions of women are employed in industries where the work week is above-average, and they have a higher incidence of part-time work and of absenteeism.

Differences in average earnings are related to the distributions of employees in industries or areas where pay levels vary from the average because of variations in basic pay rates, in sex and occupational distributions, in amounts of bonus or commission payments, in levels of activity, etc. The earnings of salaried men are substantially higher, on the average, than those of other categories, mainly because their numbers include relatively highly-paid managerial and professional workers. Women's earnings are generally well below those of men in the same industries, chiefly as a result of pay differentials, occupational differences, the greater incidence of part-time work and absenteeism among women, and their higher proportions of younger and less experienced workers.

There are a few minor differences in the coverage and wording used by the two divisions. The terms "administrative and office employees" and "production and related workers" used by the Industry and Merchandising Division in its annual survey of manufactures corresponds more or less to the terms "salaried employees" and "wage-earners" used by the Employment Section of the Labour Division. There are, however, two minor differences in the two surveys. The Industry and Merchandising Division includes working proprietors with office employees while the Labour Division excludes them from their surveys. In the case of travelling salesmen attached to the plant the Labour Division includes them with salarled employees while the Industry and Merchandising Division does not consider them as being employed in manufacturing.

Prior to 1946 statistics on weekly and hourly earnings as well as hours worked by production workers were collected by the Industry and Merchandising Division in the annual survey of manufactures. Since then this phase of the work was taken over by the Employment Section of the Labour Division and was also expanded to include office employees.

The figures for the years 1934 to 1945 given in Table 35 are based on an analysis of a pay-list covering one week in the month of highest employment. For this reason the figures do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all the firms. For a particular industry, however, the month of highest employment is more significant as in such a case it coincides for a great number of firms engaged in the same industry. The figures since 1946 are based on returns received from establishments employing 15 hands or over, and for 1946 and 1947 they refer to the last week in the month of November, whereas for 1948-1959 they refer to the last week in the month of October

As mentioned above, average annual earnings in manufacturing, classified by sex, are not directly available. To calculate annual earnings by sex, the weekly earnings compiled by the Employment Section are correlated with the employment and payroll data obtained by the annual survey of manufactures. The following example will illustrate the method that is used.

In 1949 the paper products group, according to the annual census of industry, reported 9,077 male and 3,573 female office employees with total payments of \$46,537,336. From

the October survey on weekly earnings this groups showed \$77.41 per week for male and \$34.88 per week for female office employees. The proportion of female to male earnings is therefore .451 $\begin{bmatrix} \$34.88 \\ \$77.41 \end{bmatrix}$ Female employees are first reduced to a male basis and the calculation is then as follows:

Annual Earnings of Male Employees

$$\frac{\$46,537,336}{9,077+.451\ (3,573)} = \frac{\$46,537,336}{10,688} = \$4,354$$

Annual Earnings of Female Employees

In the foregoing calculation the assumption is made that annual earnings of male and female employees vary in the same proportion as their weekly earnings. In the above illustration it may also be noted that the calculated annual earnings for male employees amounting to \$4,354 are higher than the weekly earnings multiplied by 52 which total only \$4,025 (\$77.41 x 52). This difference is due to the fact that the earnings reported to the Census of Manufactures include payments to executives as well as bonuses to employees which are usually paid at the end of the year, while the earnings reported for the one week in the year exclude such payments.

Average Annual, Weekly and Hourly Earnings of Production Workers. — Average weekly earnings of male production workers for manufacturing as a whole amounted to \$79.20 in 1959, an

increase of \$31.87 or 67 p.c. as compared with 1949. Average hourly earnings advanced from \$1.07 in 1949 to \$1.88 in 1959, an increase of 76 p.c., while annual earnings at \$3,929 were 71 p.c. higher. There are wide regional and industrial variations in hourly earnings. British Columbia is the highest paying province, hourly earnings for male production workers being \$2.19 in 1959 as compared with \$1.88 for Canada as a whole. Ontario with \$1.98 was second while Prince Edward Island with \$1.24 was the lowest. On an industrial basis, male production workers in the products of petroleum and coal group of industries were the highest paid with an hourly average of \$2.42, while the leather products group was the lowest with \$1.40.

Female production workers received on an average \$43.36 per week, an increase of 60 p.c. since 1949. Hourly earnings at \$1.11 were 63 p.c. higher, while annual earnings at \$2,149 were also 63 p.c. higher. In the case of females, British Columbia with \$1.40 per hour was also the highest paying province, while Newfoundland with 62 cents per hour was the lowest. The tobacco and tobacco products group with \$1.59 per hour paid the highest wages to its female production workers, while the leather products group with 96 cents per hour was the lowest paying group. Both male and female production workers in the leather products group received the lowest hourly earnings in the manufacturing field.

The following table gives the weekly and hourly earnings of male and female production workers in each province and major industrial group during 1959.

Average Weekly and Hourly Earnings of Male and Female Production Workers, by Provinces and Industrial Groups, 1959

Province and industrial group	Male ear	nings	Female ea	rnings
1104mee and mademan group	Weekly	Hourly	Weekly	Hourly
		dolla	rs	
Province	1	1	1	
Newfoundland	67.26	1.70	20.43	0.62
Prince Edward Island	52.03	1.24	26,93	0.77
Nova Scotia	67.49	1.62	29.35	0.73
New Brunswick	65.72	1.54	30.53	0.80
Quebec	74.55	1.71	40.74	1.05
Ontario	82.58	1.98	46,35	1.18
Manitoba	75.34	1.81	40.55	1.04
Saskatchewan	76.13	1.83	50,33	1.27
Alberta	79.00	1,91	47.22	1.27
British Columbia	86.12	2.19	50.48	1.40
Canada	79.20	1,88	43.36	1,11
Industrial group				
Foods and beverages	71.54	1.67	41.52	1.09
Tobacco and tobacco products	81.81	1,97	62.94	1,59
Rubber products	83,60	1, 95	50,97	1.25
Leather products	56, 34	1.40	37.27	0.96
Textile products (except clothing)	63, 15	1.41	43.67	1.07
Clothing, including knitting mills	62.73	1,53	37.69	0.99
Wood products	66, 23	1.54	46.74	1.16
Paper products	88, 19	2.09	45.97	1.15
Printing, publishing and allied industries	92,60	2,30	43.54	1.15
Iron and steel products	86,45	2.06	56.27	1.45
Transportation equipment	83.12	2, 04	58.93	1.55
Non-ferrous metal products	84.67	2.05	42.64	1.06
Electrical apparatus and supplies	81.53	1.94	55.34	1.40
Non-metallic mineral products	79.18	1.77	52, 17	1.30
Products of petroleum and coal	99.39	2,42	_	_
Chemicals and allied products	83,86	2,02	46.52	1, 19
Miscellaneous industries	69.86	1, 61	42,55	1.04

TABLE 35. Average Annual, Weekly and Hourly Earnings of Production Workers, Employed in the Manufacturing Industries, 1934 - 591

Note: Butter and cheese factories and fish curing and packing plants are excluded in the years 1938 to 1945, while sawmills are also excluded in 1945. By including sawmills, weekly earnings in 1945 would have been about \$34.35 for male wage-earners.

	All pr	oduction wo	rkers	Male workers			Female workers		
Year	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
					dollars				
1934 1935 1936	830 870 896	18. 30 18. 50 18. 96	0.37 0.38 0.39	930 966 995	20. 31 20. 41 20. 92	$\begin{array}{c} 0.41^{2} \\ 0.41^{2} \\ 0.42^{2} \end{array}$	539 750 577	11. 80 12. 04 12. 20	0. 25 ² 0. 26 ² 0. 26 ²
1937 1938	965 956	19. 49	0.42	1, 055	21. 49	0.45	594	12. 10	0. 27
1939	975 1, 084 1, 220 1, 383 1, 525	20. 14 22. 35 24. 95 28. 18 29. 87	0. 43 0. 45 0. 49 0. 56 0. 61	1,076 1,202 1,355 1,558 1,726	22. 23 24. 82 27. 72 31. 75 33. 80	0. 46 0. 49 0. 54 0. 62 0. 67	619 655 736 854 987	12. 78 13. 52 15. 05 17. 41 19. 33	0. 28 0. 27 0. 32 0. 37 0. 43
1944 1945 1946 1947 1947	1,564 1,538 1,516 1,713 1,960	31. 05 30. 98 32. 38 37. 19 41. 25	0.65 0.67 0.74 0.85 0.95	1, 761 1, 739 1, 702 1, 909 2, 175	34. 95 35. 04 36. 23 41. 35 45. 73	0.71 0.74 0.81 0.92 1.02	1, 051 984 943 1, 067 1, 233	20. 89 19. 84 20. 08 23. 11 25. 91	0. 48 0. 47 0. 50 0. 58 0. 65
1949	2,067 2,183 2,434 2,647 2,792	42. 61 45. 94 51. 32 55. 17 56. 75	0.98 1.06 1.22 1.30 1.36	2, 291 2, 419 2, 693 2, 915 3, 082	47. 33 50. 93 56. 46 60. 85 62. 71	1. 07 1. 14 1. 31 1. 40 1. 47	1, 315 1, 376 1, 492 1, 638 1, 723	27. 18 29. 00 31. 27 34. 17 35. 07	0. 68 0. 73 0. 83 0. 86 0. 91
1954	2,853 2,963 3,136 3,269 3,395 3,551	57. 99 60. 53 63. 97 65. 31 67. 85 71. 35	1.40 1.44 1.53 1.61 1.65	3, 145 3, 267 3, 458 3, 609 3, 749 3, 929	63. 98 66. 86 70. 67 72. 21 75. 03 79. 20	1.51 1.57 1.66 1.75 1.80 1.88	1, 764 1, 833 1, 923 1, 974 2, 092 2, 149	35. 90 37. 52 39. 29 39. 49 41. 90 43. 36	0.93 0.95 1.00 1.05 1.08

¹ Statistics on weekly and hourly earnings are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over. For 1946 and 1947 they refer to the last week in November and for 1948 to 1959 to the last week in October. Annual earnings are calculated. See text on pages 82 and 83.

² Estimated on the basis of hours worked by female workers in 1938 and 1939 as compared with those worked by male workers in these years.

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946 - 591

(Statistics for the years 1938-45 are nublished on age 60 of the 1950 "General Review of the Manufacturing Industries of Canada")

(Statistics for the years 1938-45 are p	oublished of	page 60 or	tne 1950 "	General ne	view of the	Manulacturi	ing moustrie	s of Canau	a)
D	All p	roduction wo	orkers	Male workers			Female workers		
Province and year	Annual	Weeklý	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
				***************************************	dollars				
Newfoundland: 1949 1950 1951 19513 1953 1954 1955 1956 1957 1958 1959	2, 392 2, 626 2, 350 2, 549 2, 820 2, 752 2, 861 3, 159 2, 989 3, 090	46. 52 52. 37 57. 11 57. 57 56. 93 59. 89 60. 42 56. 77 62. 25	0.99 1.15 1.32 1.35 1.37 1.46 1.57 1.51	2, 919 2, 613 2, 735 3, 059 3, 053 3, 154 3, 464 3, 263 3, 334	50. 85 56. 80 60. 50 61. 67 61. 17 65. 52 65. 68 61. 91 67. 26	1. 07 1. 23 1. 38 1. 43 1. 46 1. 56 1. 67 1. 62 1. 70	1,016 852 911 1,043 1,035 921 1,005 1,034 1,014	17. 72 18. 51 20. 13 21. 01 20. 72 19. 12 19. 04 19. 58 20. 43	0.42 0.46 0.54 0.55 0.55 0.57 0.61 0.62
Prince Edward Island: 1946 1949 1951 1953 1954 1956 1957 1957 1958	911 1, 145 1, 312 1, 616 1, 591 1, 607 1, 679 1, 864 1, 940 2, 005	21. 51 29. 76 34. 10 38. 07 39. 55 39. 76 42. 03 39. 69 42. 90 45. 53	0.46 0.62 0.74 0.83 0.88 0.90 0.94 1.02 1.01	1, 097 1, 323 1, 521 1, 846 1, 832 1, 857 1, 962 2, 181 2, 292 2, 323	25. 42 33. 96 38. 33 42. 94 44. 92 47. 92 45. 81 50. 98 52. 03	0.54 0.71 0.83 0.93 0.97 1.02 1.05 1.13 1.13	555 718 808 1,032 967 940 1,052 1,110 1,061 1,203	12. 87 18. 45 20. 34 24. 02 23. 48 23. 17 25. 69 23. 34 23. 60 26. 93	0. 29 0. 40 0. 46 0. 54 0. 55 0. 55 0. 61 0. 68 0. 65 0. 77

¹ The average annual earnings are calculated on the basis of the total amount paid during the year as reported to census of industry, while the weekly earnings are based on an analysis of the pay-list for the last week in October and only cover establishments employing 15 hands or over. The drop in the average annual earnings is due in part to these factors as well as to the fact that in 1951 statistics for the processing of fish in Newfoundland were included with manufactures for the first time. As this is a seasonal industry annual earnings are, therefore, lower. In 1951 average annual earnings of production workers for both sexes tor this industry averaged \$1,151 as compared with \$2,806 for the other industries of the

^{..} Not available

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces. 1946-59 - Continued

by Provinces, 1946-59 - Continued											
Province and year	All pi	roduction wo	orkers	1	Male worker	S	F	emale worke	ers		
a so yasa o water j owa	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly		
Nova Scotia:		1			dollars	1	1	1			
Nova Scota: 1946 1949 1951 1953 1954 1955 1956 1957 1958	1,398 1,810 2,024 2,313 2,337 2,446 2,608 2,733 2,824 2,953	31. 44 39. 56 44. 77 49. 27 48. 37 51. 53 53. 61 56. 50 57. 27 61. 74	0.69 0.89 1.03 1.18 1.18 1.25 1.30 1.39 1.41	1,502 1,959 2,179 2,494 2,520 2,641 2,821 3,024 3,074 3,232	33. 90 42. 87 48. 30 53. 15 52. 41 55. 62 58. 19 61. 70 62. 31 67. 49	0.74 0.96 1.11 1.27 1.27 1.34 1.41 1.50 1.54	762 911 998 1,100 1,106 1,173 1,255 1,237 1,386 1,406	17. 18 19. 94 22. 14 23. 45 23. 01 24. 70 25. 88 25. 24 28. 09 29. 35	0.39 0.47 0.52 0.57 0.62 0.63 0.65 0.69 0.73		
New Brunswick: 1946 1949 1951 1951 1953 1954 1955 1956 1957 1958	1,390 1,823 2,087 2,326 2,375 2,414 2,587 2,746 2,786 2,879	30.54 38.64 46.87 49.93 51.28 54.37 57.61 57.12 58.78 60.43	0.66 0.85 1.06 1.17 1.21 1.26 1.32 1.40 1.38 1.43	1,528 1,983 2,275 2,534 2,628 2,826 2,994 2,994 3,052 3,154	33.58 42.18 51.42 54.48 55.16 58.82 62.65 61.97 64.36 65.72	0.72 0.91 1.13 1.24 1.27 1.34 1.41 1.49 1.49	781 1,114 1,188 1,234 1,209 1,267 1,325 1,359 1,404 1,467	17. 16 23. 71 26. 86 26. 51 25. 70 28. 33 29. 36 28. 11 29. 61 30. 53	0.40 0.57 0.69 0.72 0.68 0.73 0.73 0.78 0.77		
Quebec: 1946 1949 1949 1951 1953 1954 1955 1956 1957 1958	1,445 1,907 2,216 2,558 2,614 2,695 2,858 2,973 3,064 3,203	30. 51 39. 61 47. 26 52. 48 53. 04 55. 84 59. 39 61. 74 64. 99	0.67 0.89 1.10 1.23 1.25 1.29 1.38 1.45 1.48	1,660 2,171 2,528 2,911 3,061 3,246 3,380 3,483 3,652	34. 95 45. 19 53. 58 59. 72 60. 28 63. 69 67. 56 68. 24 70. 50 74. 55	0.74 0.98 1.20 1.35 1.38 1.43 1.52 1.60 1.64	926 1,246 1,385 1,592 1,661 1,708 1,798 1,852 1,944 1,944	19. 49 25. 93 29. 37 32. 67 33. 80 35. 53 37. 46 37. 38 39. 37 40. 74	0.47 0.65 0.78 0.85 0.87 0.99 0.94 0.99		
Ontario: 1946 1949 1951 1953 1954 1955 1956 1957 1958 1958	1,552 2,187 2,602 2,980 3,026 3,166 3,349 3,483 3,633 3,814	33. 26 44. 34 53. 87 59. 34 60. 83 63. 25 66. 87 68. 71 71. 45 75. 10	0.78 1.04 1.30 1.44 1.48 1.52 1.62 1.70 1.74	1,738 2,405 2,848 3,257 3,304 3,457 3,662 3,811 3,974 4,181	37. 09 48. 88 58. 60 65. 00 66. 54 69. 25 73. 39 75. 38 78. 32 82. 58	0.84 1.12 1.38 1.55 1.59 1.64 1.75 1.84 1.88	963 1, 400 1, 635 1, 892 1, 916 1, 998 2, 080 2, 134 2, 277 2, 346	20. 53 28. 45 33. 66 37. 74 38. 56 40. 06 41. 69 42. 25 44. 87 46. 35	0.53 0.72 0.89 0.98 1.00 1.02 1.07 1.11 1.15		
Manitoba: 1946 1949 1951 1953 1954 1955 1956 1957 1958 1959	1, 491 1, 900 2, 270 2, 619 2, 647 2, 762 2, 937 2, 986 3, 146 3, 333	31. 16 41. 06 48. 46 53. 48 54. 85 57. 10 59. 19 60. 72 63. 75 67. 34	0.73 0.95 1.17 1.31 1.33 1.37 1.44 1.52 1.56 1.64	1,662 2,114 2,532 2,925 2,939 3,090 3,273 3,345 3,512 3,721	34. 51 45. 39 53. 21 59. 21 60. 70 63. 38 65. 65 67. 60 70. 94 75. 34	0.79 1.02 1.26 1.42 1.45 1.50 1.66 1.72 1.81	949 1, 222 1, 382 1, 580 1, 631 1, 666 1, 784 1, 766 1, 896 2, 002	19. 72 26. 24 29. 07 31. 98 33. 67 34. 19 35. 76 35. 70 38. 29 40. 55	0.50 0.66 0.76 0.84 0.87 0.91 0.96 0.99		
Saskatchewan; 1946 1949 1951 1983 1954 1955 1956 1957 1958	1, 455 2, 042 2, 363 2, 785 2, 900 3, 017 3, 114 3, 312 3, 460 3, 646	32. 78 41. 34 49. 18 56. 33 58. 67 60. 13 62. 13 64. 78 68. 13 72. 86	0.75 0.98 1.19 1.37 1.41 1.45 1.53 1.62 1.68	1,531 2,142 2,473 2,909 3,056 3,181 3,275 3,475 3,619 3,796	34. 11 43. 33 51. 58 58. 73 61. 86 63. 70 65. 62 68. 54 71. 88 76. 13	0.77 1.01 1.23 1.41 1.46 1.51 1.59 1.69 1.76	1,007 1,384 1,568 1,865 1,748 1,797 1,909 2,068 2,244 2,509	22. 45 27. 99 32. 69 37. 62 35. 41 36. 00 38. 23 40. 79 44. 56 50. 33	0.55 0.71 0.85 1.00 0.99 1.02 1.13 1.15 1.27		
Alberta: 1946 1949 1951 1953 1954 1955 1956 1957 1958 1959	1,477 2,025 2,323 2,718 2,870 2,977 3,137 3,334 3,510 3,647	32. 40 43. 80 50. 39 58. 43 60. 82 61. 80 64. 58 67. 45 70. 97 74. 50	0.75 1.01 1.22 1.42 1.47 1.50 1.57 1.70 1.75 1.83	1,582 2,137 2,449 2,864 3,037 3,141 3,297 3,510 3,689 3,856	34.50 46.01 52.83 61.66 64.00 65.16 67.96 71.08 74.45	0.79 1.05 1.27 1.48 1.52 1.56 1.64 1.76 1.82	981 1, 385 1, 531 1, 787 1, 795 1, 894 2, 074 2, 124 2, 343 2, 306	21. 38 29. 83 33. 04 38. 45 37. 81 39. 31 42. 72 42. 98 47. 31 47. 22	0.51 0.73 0.86 1.01 1.03 1.04 1.11 1.19 1.26		

TABLE 36. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-59 — Concluded

	All pr	oduction wo	orkers	Male workers			Female workers			
Province and year	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly	
	dollars									
British Columbia: 1946 1949 1951 1953 1954 1955 1956 1957 1957	1,750 2,282 2,723 3,108 3,221 3,307 3,472 3,647 3,853 3,918	36.83 47.36 58.65 64.76 66.95 68.88 72.39 74.26 78.96 82.54	0.89 1.18 1.50 1.64 1.69 1.74 1.83 1.95 2.03 2.11	1,956 2,410 2,871 3,277 3,386 3,473 3,638 3,828 4,031 4,103	39.01 49.82 61.70 68.10 70.07 72.14 75.53 77.42 81.97 86.12	0.94 1.23 1.56 1.71 1.75 1.81 1.90 2.01 2.09 2.19	1,156 1,381 1,599 1,842 1,900 1,973 2,103 2,213 2,447 2,404	23.05 28.57 34.36 38.28 39.31 40.96 43.67 44.72 49.78 50.48	0.59 0.77 0.96 1.05 1.10 1.12 1.20 1.30 1.39	
Yukon and Northwest Territories: 1946 1949 1951 1953 1954 1955 1956 1357 1958	2,249 2,502 2,686 3,331 3,376 3,684 3,931 3,999 4,648 5,375				Not a	vailable				

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-59

Dy Industrial Groups, 1940-39											
	All pr	oduction we	orkers	N	Male workers	3	Fe	emale worke	rs		
Province and year	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly		
					dollars						
Foods and beverages:											
1946	1,389 1,817 2,113 2,393 2,482 2,570 2,695 2,853 3,033 3,185	29.15 38.45 44.79 49.47 50.17 51.88 54.51 56.69 60.60 63.24	0.66 0.87 1.03 1.16 1.20 1.24 1.30 1.39 1.46	1,574 2,046 2,371 2,687 2,786 2,882 3,023 3,186 3,373 3,545	33.09 43.98 50.67 56.52 57.16 62.35 64.16 68.24 71.54	0.72 0.95 1.13 1.28 1.32 1.36 1.44 1.52 1.59	869 1,140 1,370 1,537 1,577 1,654 1,750 1,835 1,973 2,056	18. 27 24. 51 29. 29 32. 31 32. 40 33. 96 36. 12 36. 98 39. 93 41. 52	0.47 0.62 0.75 0.83 0.86 0.89 0.94 1.00		
	3,100	03.24	1.00	0,010	12401		2,500				
Tobacco and tobacco products: 1946 1949 1951 1953 1954 1956 1956 1957 1958	1,168 1,882 2,279 2,580 2,703 2,849 2,890 3,088 3,290 3,378	23.85 38.63 51.75 52.43 56.28 57.14 58.82 60.75 64.92 70.90	0.56 0.89 1.25 1.30 1.39 1.42 1.49 1.57 1.64	1,468 2,258 2,657 3,025 3,113 3,282 3,422 3,593 3,854 3,891	30.06 46.74 60.49 61.69 64.82 66.30 70.10 70.95 76.30 81.81	0.66 1.03 1.38 1.48 1.54 1.60 1.69 1.76 1.84	995 1,662 2,030 2,305 2,441 2,567 2,560 2,777 2,910 2,992	20.37 34.42 46.24 46.99 50.85 51.84 52.43 54.84 57.60 62.94	0.49 0.81 1.16 1.18 1.29 1.31 1.37 1.46 1.50		
Rubber products; 1946 1949 1951 1951 1953 1954 1955 1956 1957 1958 1959	2,981 2,992 3,154 3,338 3,464	36.78 43.36 54.69 59.08 59.91 65.03 68.36 68.43 72.80 76.82	0.82 1.03 1.32 1.43 1.44 1.51 1.61 1.67 1.74	1,769 2,353 2,861 3,259 3,237 3,434 3,647 3,757 3,841 4,165	41.09 47.68 59.77 64.74 64.82 70.87 74.79 74.09 78.86 83.60	0.90 1.11 1.42 1.53 1.54 1.63 1.74 1.79 1.86 1.95	1,031 1,520 1,848 2,102 2,133 2,191 2,217 2,374 2,347 2,541	23.96 30.80 38.59 41.73 42.69 45.18 45.47 46.85 48.19 50.97	0.57 0.75 0.98 1.08 1.07 1.11 1.14 1.20 1.21		
Leather products: 1946 1949 1951 1951 1953 1954 1955 1956 1957 1958 1959	1,528 1,684 1,928 1,958 2,033 2,156 2,251 2,337	25.03 30.84 33.61 37.90 37.87 42.04 43.37 43.18 45.82 47.57	0.59 0.77 0.89 0.98 1.00 1.04 1.07 1.13	1,421 1,807 1,992 2,310 2,306 2,417 2,567 2,698 2,792 2,818	29.85 36.39 39.71 45.27 44.48 50.00 51.92 52.00 54.95 56.34	0.68 0.88 1.03 1.14 1.15 1.20 1.24 1.31 1.34	863 1,131 1,251 1,437 1,492 1,525 1,635 1,689 1,773 1,866	18.11 22.77 24.95 28.18 28.78 31.54 33.06 32.54 34.88 37.27	0.45 0.59 0.69 0.77 0.79 0.81 0.85 0.89 0.91		

TABLE 37. Average Annual, Weekly and Hourly Earnings, of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-59 - Continued

by Industrial Groups, 1946-59 — Continued											
Grant or I	All pr	oduction wo	rkers	7	Male worker	S	Fe	emale worke	rs		
Group and year	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly		
Textile products (except clothing): 1946 1949 1951 1953 1954 1955 1956 1957 1958 1959	1,271 1,830 2,046 2,278 2,348 2,423 2,491 2,590 2,633 2,776	24. 13 36. 93 40. 00 44. 20 47. 43 48. 36 50. 53 51. 51 53. 20 56. 38	0.55 0.83 0.99 1.08 1.10 1.11 1.24 1.27	1,453 2,068 2,292 2,545 2,629 2,702 2,891 2,943 3,106	28. 33 41. 67 44. 81 49. 28 52. 93 54. 21 56. 89 57. 36 59. 40 63. 15	0. 61 0. 90 1. 07 1. 17 1. 20 1. 20 1. 27 1. 33 1. 37 1. 41	1, 019 1, 458 1, 627 1, 825 1, 861 1, 905 1, 951 2, 053 2, 057 2, 149	19.87 29.39 31.82 35.34 37.46 38.22 39.53 40.72 41.51 43.67	0.48 0.70 0.84 0.91 0.92 0.93 0.98 1.04 1.05		
Clothing, including knitting mills: 1946 1949 1951 1953 1954 1955 1956 1957 1958	1,191 1,542 1,691 1,886 1,897 1,940 2,049 2,093 2,159 2,250	25. 38 30. 46 33. 21 37. 15 38. 08 38. 96 41. 49 40. 62 42. 98 43, 88	0.62 0.78 0.91 0.97 0.98 1.04 1.08 1.10	1,693 2,170 2,383 2,665 2,655 2,725 2,915 2,927 3,023 3,164	34.54 43.31 47.14 53.33 53.79 55.56 59.78 57.35 61.01 62.73	0.77 1.04 1.22 1.31 1.33 1.41 1.44 1.49	972 1, 261 1, 380 1, 547 1, 566 1, 613 1, 705 1, 768 1, 829 1, 902	19.81 25.17 27.28 30.94 31.74 32.90 35.00 34.65 36.91 37.69	0. 51 0. 66 0. 76 0. 83 0. 85 0. 90 0. 94 0. 97 0. 99		
Wood products: 1946 1949 1951 1953 1954 1955 1956 1957 1957	1,337 1,836 2,136 2,399 2,484 2,599 2,696 2,824 2,957 2,991	30, 94 40, 40 48, 18 53, 40 54, 52 56, 38 58, 22 59, 34 62, 25 65, 01	0.69 0.92 1.12 1.22 1.26 1.30 1.35 1.42 1.45	1,366 1,869 2,166 2,435 2,521 2,635 2,734 2,868 3,004 3,040	31. 73 41. 20 48. 98 54. 36 55. 41 57. 29 59. 19 60. 38 63. 33 66. 23	0.70 0.93 1.14 1.24 1.38 1.31 1.36 1.44 1.47	904 1,256 1,525 1,717 1,787 1,929 2,004 2,056 2,172 2,146	21.02 27.69 34.47 38.35 39.29 41.94 43.38 43.29 45.76 46.74	0.51 0.68 0.85 0.95 0.98 1.03 1.06 1.10		
Paper products: 1946 1949 1951 1951 1953 1954 1955 1956 1957 1958 1959	1,835 2,535 3,130 3,434 3,548 3,652 3,874 3,988 4,069 4,215	36. 97 49. 74 63. 98 66. 85 69. 15 72. 34 76. 38 77. 43 80. 07 83. 82	0.79 1.06 1.38 1.53 1.62 1.68 1.80 1.89 1.93 2.00	2,004 2,721 3,347 3,648 3,760 3,858 4,996 4,215 4,295 4,452	40. 20 53. 31 67. 87 70. 77 72. 80 76. 26 80. 45 81. 51 84. 20 88. 19	0, 83 1, 11 1, 44 1, 61 1, 69 1, 77 1, 88 1, 98 2, 02 2, 09	944 1,350 1,630 1,842 1,891 1,983 2,089 2,154 2,281 2,319	18. 94 26. 44 33. 05 35. 77 36. 65 39. 17 41. 00 41. 62 44. 69 45. 97	0.46 0.63 0.81 0.89 0.94 0.96 1.03 1.08 1.11		
Printing, publishing and allied industries: 1946	1,609 2,239 2,575 3,058 3,179 3,343 3,496 3,656 3,927 4,077	34. 57 47. 19 54. 24 63. 10 66. 24 69. 35 72. 78 74. 84 78. 47 82. 13	0, 82 1, 15 1, 36 1, 58 1, 65 1, 73 1, 80 1, 98 1, 98 2, 07	1,882 2,550 2,917 3,446 3,577 3,752 3,916 4,091 4,382 4,561	40.53 53.59 61.87 71.65 74.85 78.17 82.19 84.27 87.83 92.60	0. 94 1. 28 1. 52 1. 76 1. 84 1. 92 2. 01 2. 10 2. 19 2. 30	869 1,221 1,374 1,637 1,688 1,756 1,848 1,919 2,121 2,144	18.71 25.66 29.11 34.06 35.35 36.61 38.83 39.50 42.51 43.54	0, 49 0, 67 0, 77 0, 90 0, 92 0, 96 1, 02 1, 07 1, 12 1, 15		
Iron and steel products: 1946 1949 1951 1953 1953 1954 1955 1956 1957 1958 1959	1,731 2,401 2,833 3,267 3,275 3,501 3,723 3,861 3,953 4,228	36, 87 48, 05 58, 86 65, 02 65, 75 70, 63 74, 85 75, 55 79, 45 85, 15	0.82 1.10 1.39 1.54 1.58 1.66 1.76 1.86 1.93 2.04	1,940 2,445 2,886 3,322 3,330 3,558 3,785 3,921 4,017 4,297	37.89 48.94 59.95 66.10 66.82 71.76 76.08 76.75 80.66 86.45	0.84 1.12 1.40 1.57 1.60 1.68 1.79 1.88 1.96 2.06	1,133 1,597 1,885 2,222 2,258 2,359 2,441 2,572 2,679 2,797	22,11 31,96 39,16 44,20 45,33 47,59 49,05 50,32 53,84 56,27	0.53 0.77 0.98 1.12 1.17 1.19 1.25 1.32 1.38		
Transportation equipment: 1946 1949 1951 1953 1954 1955 1956 1957 1958 1959	1,897 2,465 2,867 3,406 3,390 3,488 3,683 3,812 4,066 4,328	39.85 50.54 58.18 65.45 67.74 67.82 72.75 75.59 77.35 82.22	0. 94 1. 18 1. 38 1. 57 1. 64 1. 67 1. 78 1. 88 1. 92 2. 03	1,921 2,494 2,895 3,438 3,419 3,523 3,718 3,848 4,102 4,374	40.45 51.08 58.66 66.11 68.37 68.45 73.43 76.31 78.11 83.12	0.95 1.19 1.39 1.58 1.65 1.69 1.80 1.90 1.94	1,187 1,706 2,096 2,444 2,523 2,537 2,703 2,728 3,101	24. 99 34. 93 42. 45 47. 00 50. 46 49. 28 53. 40 54. 09 56. 74 58. 93	0.62 0.88 1.10 1.23 1.32 1.32 1.37 1.46 1.48		

TABLE 37. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-59 — Concluded

by Industrial Groups, 1946-59 — Concluded											
	All pr	oduction wo	rkers	N	Male workers	,	Fe	male worke	rs		
Group and year	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly		
Non-ferrous metal products: 1946 1949 1951 1953 1954 1955 1956 1957 1958 1958	1,713 2,419 2,866 3,277 3,417 3,557 3,737 3,939 4,083 4,261	35.51 48.26 57.56 64.43 66.61 70.02 72.51 77.14 77.53 81.85	0.81 1.09 1.38 1.55 1.60 1.67 1.74 1.88 1.94	1,833 2,521 2,979 3,399 3,533 3,678 3,859 4,072 4,222 4,404	dollars 37, 78 50, 26 59, 68 66, 59 68, 75; 72, 41 74, 82 79, 79 80, 28 84, 67	0.85 1.13 1.42 1.60 1.64 1.72 1.79 1.94 2.01 2.05	1, 014 1, 437 1, 618 1, 852 1, 922 1, 986 2, 041 2, 024 2, 242 2, 220	20, 90 28, 63 32, 40 36, 30 37, 43 39, 13 39, 57 39, 68 42, 65 42, 64	0.51 0.69 0.81 0.91 0.94 0.96 0.98 1.02		
Electrical apparatus and supplies: 1946 1949 1951 1953 1954 1955 1956 1957 1958 1959	1,523 2,288 2,673 2,994 3,150 3,169 3,406 3,508 3,697 3,739	32.39 46.10 56.03 60.65 60.62 63.35 67.73 67.11 70.37 73.27	0.77 1.10 1.35 1.45 1.48 1.50 1.62 1.66 1.72	1,711 2,493 2,932 3,298 3,450 3,529 3,786 3,882 4,081 4,152	36.34 50.38 61.24 67.24 66.81 71.75 75.52 74.57 77.93 81.53	0.85 1.18 1.44 1.58 1.65 1.77 1.81 1.88 1.94	1,148 1,740 1,982 2,259 2,415 2,368 2,503 2,578 2,791 2,819	24.38 35.18 41.41 46.05 46.75 48.15 49.89 49.52 53.34 55.34	0.61 0.87 1.07 1.15 1.18 1.20 1.27 1.29 1.35		
Non-metallic mineral products: 1946 1949 1951 1953 1954 1955 1956 1957 1958	3, 198 3, 413 3, 550	32.78 45.22 54.77 60.28 64.03 66.44 69.08 70.36 74.83 77.40	0.71 0.98 1.22 1.36 1.43 1.48 1.56 1.63 1.70	1,614 2,252 2,699 3,084 3,205 3,271 3,484 3,628 3,827 3,994	34.11 46.45 56.31 62.26 65.57 68.06 70.61 72.16 76.72 79.18	0.73 1.00 1.24 1.39 1.46 1.50 1.59 1.66 1.73	1,039 1,540 1,646 1,884 2,045 2,113 2,310 2,322 2,465 2,632	21.97 31.10 34.33 38.03 41.84 43.97 46.83 46.18 49.44 52.17	0.52 0.74 0.85 0.93 1.03 1.09 1.17 1.19 1.24 1.30		
Products of petroleum and coal: 1946	3,964 4,280 4,741 4,834	37.88 52.54 67.15 76.96 78.58 81.44 83.83 92.48 92.83 99.13	0.90 1.25 1.62 1.89 1.96 2.07 2.23 2.28 2.41	1,898 2,613 3,181 3,739 3,821 3,974 4,292 4,754 4,846 5,199	38.01 52.58 67.32 77.17 78.78 81.71 84.21 92.86 93.16 99.39	0.91 1.26 1.63 1.85 1.89 1.97 2.07 2.24 2.28 2.42	1,044 1,435 1,750 2,056 2,102 2,186 2,365 2,615 2,670 2,865		-		
Chemicals and allied products: 1946	3,090 3,217 3,383 3,644 3,822	32.46 43.28 52.78 58.72 60.44 63.20 67.08 71.61 74.54 77.49	0.73 0.98 1.24 1.39 1.46 1.52 1.62 1.75 1.81	1,773 2,404 2,845 3,255 3,345 3,478 3,650 3,937 4,131 4,293	35.97 47.40 57.03 63.57 65.46 68.31 72.19 76.96 80.46 83.86	0.79 1.05 1.32 1.48 1.56 1.63 1.72 1.86 1.93 2.02	954 1,334 1,579 1,823 1,920 1,994 2,110 2,197 2,301 2,383	19.35 26.32 31.64 35.63 37.56 39.23 41.70 42.92 44.78 46.52	0.47 0.65 0.80 0.90 0.96 1.00 1.11 1.14 1.19		
Miscellaneous industries: 1946 1949 1951 1953 1954 1955 1956 1956 1957 1958	2,343 2,455 2,489 2,648 2,737 2,865	26.94 35.14 41.63 47.47 48.74 49.76 52.06 53.77 57.36 59.54	0.63 0.82 1.00 1.12 1.16 1.17 1.22 1.31 1.36	1,600 2,006 2,411 2,760 2,884 2,930 3,118 3,203 3,329 3,459	30. 91 41. 38 48. 93 56. 37 57. 31 59. 57 62. 73 63. 81 67. 28 69. 86	0.70 0.93 1.13 1.29 1.33 1.35 1.43 1.51 1.56	1,006 1,292 1,529 1,673 1,742 1,735 1,852 1,935 2,047 2,107	19.43 26.66 31.01 34.17 34.64 35.29 37.26 38.54 41.39 42.55	0.47 0.66 0.79 0.85 0.86 0.87 0.92 0.98 1.02		

Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees. — Annual earnings of male office employees in 1959 averaged \$5,817, weekly earnings \$112.78 and hourly earnings \$2.90. For female office employees annual earnings averaged \$2,874, weekly earnings \$55.73 and hourly earnings \$1.48. Average annual earnings of alloffice employees totalled \$4,998 in 1959, an increase of 76 p.c. since 1949. Weekly earnings at \$97.10 were 77 p.c. higher and hourly earnings at \$2.52 were 84 p.c. higher. There were only two

groups in 1959 with average weekly earnings of male office employees exceeding \$125. These two groups were: products of petroleum and coal with \$143.55 and paper products with \$130.55. In thirteen other groups weekly earnings averaged between \$100 and \$125 and in the two lowest groups weekly earnings of male office employees averaged below \$100. In this category the leather products group had the lowest average of \$93.05, followed by clothing and knitting mills with \$96.55.

In the case of female office employees there were only three groups with average weekly earnings of \$60 or more. These were: tobacco and tobacco products with \$67.06, products of petroleum and coal \$65.62 and transportation equipment \$62.02. In five other groups average weekly earnings of female office employees ranged between \$55 and \$60, in eight other groups they were between \$50 and \$55 and only one group, viz. leather products, were they below \$50 Male office employees

of this group also received the lowest average weekly wage of \$93.05 as compared with \$112.78 for manufacturing as a whole. Female office employees of this group received an average of \$47.53 per week as compared with \$55.73 for all groups.

The following table gives weekly and hourly earnings of male and female office employees for each province and major industrial group for the year 1959.

Average Weekly and Hourly Earnings of Male and Female Administrative and Office Employees by Provinces and Industrial Groups, 1959

Province and industrial group	Male e	arnings	Female e	arnings				
	Weekly	Hourly	Weekly	Hourly				
Province	dollars							
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada	97.09 74.30 94.33 92.27 110.63 116.08 97.44 95.26 107.40 118.40	2, 33 1, 74 2, 40 2, 25 2, 86 2, 99 2, 51 2, 44 2, 70 3, 04	44.12 36.60 44.10 43.59 56.90 47.82 50.97 53.72 57.61	1, 11 0, 89 1, 17 1, 12 1, 48 1, 52 1, 27 1, 32 1, 39 1, 53				
Industrial group	XX4, 10	2,50	00.73	1.48				
Foods and beverages Tobacco and tobacco products Rubber products Leather products Leather products (except clothing) Clothing, including knitting mills Wood products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	102, 10 122, 90 108, 22 93, 05 101, 75 96, 55 101, 13 130, 55 105, 46 113, 18 118, 06 120, 77 115, 31 107, 75 143, 55 121, 19 108, 13	2.58 3.20 2.79 2.32 2.60 2.42 2.47 3.46 2.82 2.91 3.00 3.14 4.2.96 2.74 3.90 3.19 2.80	53.41 67.06 54.12 47.53 50.14 52.63 51.68 59.72 53.09 55.84 62.02 56.05 57.96 54.87 65.62 58.82 53.48	1.42 1.77 1.42 1.27 1.34 1.39 1.37 1.63 1.48 1.62 1.51 1.50 1.47 1.82 1.57				

TABLE 38. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, 1946-591

	Year	All employees			Male employees			Female employees		
	2 002	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
						dollars				
1946		2,270	43.85	1.07	2,680	53.21	1.27	1,305	25.91	0.66
1947		2,484	49.78	1.23	2,933	60, 21	1.46	1,396	28.68	0.74
1948		2,687	52.91	1.31	3,147	63.47	1.54	1,551	31.26	0.81
1949		2,836	54.85	1.37	3,317	65.37	1.60	1,655	32.62	0.85
1950		2,998	58.74	1.48	3,507	69.35	1.73	1,739	34.38	0.90
1951		3,296	65.98	1.67	3,852	77.55	1.94	1,907	38.42	1.01
1952		3,513	70.75	1.80	3,985	82.60	2.07	2,323	41.26	1.09
1953		3,707	73.87	1.89	4,327	86.43	2.19	2,159	43.13	1.14
1954		3,854	77.81	2.00	4,499	90.99	2.31	2,227	45.00	1.19
1955		3,990	80.57	2.06	4,636	93.50	2.36	2,332	47.02	1.24
1956		4,222	85.23	2.19	4,918	99.05	2.51	2,449	49.31	1.30
1957		4,471	89.92	2.33	5,205	104.63	2.68	2,576	51.84	1.38
1958		4,773	93.74	2.43	5,549	108.38	2.79	2,769	54.07	1.44
1959		4,998	97.10	2.52	5,817	112.78	2.90	2,874	55.73	1.48

¹ Statistics on weekly and hourly earnings are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over, For 1946 and 1947 they refer to the last week in November and for 1948 to 1957 to the last week in October. Annual earnings are calculated, See text on pages 82 and 83.

TABLE 39. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Provinces, 1946-59

	Al	1 employee:	3	Ma	le employee	s	Female employees		
Year and province	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
					dollars				
Newfoundland: 1950 1951 1952 1953 1954 1955 1956 1957 1957	1,921 2,383 2,345 2,403 2,687 2,793 3,052 3,031 3,238 3,453	54.95 62.04 62.62 68.54 71.39 73.59 77.97 85.90 85.87 86.68	1.29 1.44 1.47 1.64 1.75 1.78 1.91 2.16 2.08 2.09	2,087 2,604 2,529 2,620 2,922 3,028 3,307 3,271 3,505 3,743	63.33 70.71 71.47 78.07 80.34 81.87 87.32 95.80 94.91 97.09	1.47 1.63 1.66 1.86 1.96 2.14 2.33 2.27 2.33	868 1,135 1,275 1,554 1,365 1,475 1,591 1,577 1,654 1,699	26.55 30.80 31.55 34.44 37.55 39.85 42.00 46.16 44.82 44.12	0.67 0.73 0.76 0.84 0.94 0.98 1.04 1.18 1.14
Prince Edward Island: 1950 1951 1952 1953 1954 1955 1955 1957 1957 1959	2,500	40.35 46.90 49.63 50.04 55.82 54.90 65.95 67.74 63.83	0.98 1.08 1.20 1.33 1.24 1.36 1.35 1.57	1,747 1,918 2,117 2,260 2,241 2,358 2,562 2,618 2,818 3,027	48.55 55.98 59.33 64.81 58.50 65.59 66.64 74.79 76.33	1.19 1.26 1.42 1.58 1.43 1.59 1.62 1.77	896 917 1,050 1,087 1,172 1,221 1,196 1,212 1,293 1,492	24.92 26.75 29.40 31.15 30.60 33.96 31.11 34.66 35.04 36.60	0.61 0.65 0.72 0.79 0.77 0.84 0.78 0.84 0.87
Nova Scotia: 1946 1949 1951 1953 1954 1956 1956 1957 1958 1959	2,179 2,500 2,775 2,861 2,993 3,267 3,384 3,639	39.89 50.47 58.43 62.82 65.91 66.43 71.00 76.14 79.60 81.13	0.93 1.25 1.40 1.55 1.62 1.75 1.91 2.05 2.09	2,020 2,455 2,821 3,122 3,228 3,372 3,729 3,883 4,147 4,367	46.36 59.45 67.83 72.01 76.73 76.48 82.64 89.06 92.58 94.33	1.06 1.45 1.60 1.76 1.84 1.82 2.00 2.20 2.36 2.40	1,026 1,169 1,329 1,539 1,498 1,669 1,764 1,794 1,912 2,044	23.54 28.29 31.95 35.48 37.88 39.06 41.16 42.67 44.10	0.58 0.71 0.80 0.91 0.92 0.99 1.02 1.09
New Brunswick: 1946 1949 1951 1953 1954 1955 1956 1957 1958 1958	2,233 2,757 3,016 3,117 3,125 3,351 3,589 3,740	40.33 48.42 57.65 62.96 66.18 68.26 70.98 74.46 75.00 78.23	0.93 1.13 1.38 1.54 1.64 1.69 1.74 1.87	2,165 2,568 3,175 3,564 3,593 3,579 3,820 4,116 4,285 4,484	48.25 57.64 68.64 73.48 77.96 79.35 82.30 87.44 87.38 92.27	1.09 1.32 1.61 1.79 1.91 1.92 2.16 2.13	1,018 1,243 1,467 1,711 1,660 1,700 1,887 1,959 2,091 2,116	22.68 27.88 31.72 35.25 35.98 37.70 40.63 41.58 42.67 43.59	0.55 0.69 0.79 0.87 0.93 0.99 1.06 1.09
Quebec: 1946 1949 1951 1953 1954 1955 1956 1956 1957 1958	2,812 3,241 3,670 3,827 3,959 4,141 4,407 4,721	44.57 54.66 64.67 72.23 76.32 79.25 84.10 88.34 92.43 95.98	1.63 1.84 1.96 2.02 2.16 2.30 2.42	3,769 4,260 4,432 4,578 4,790 5,100 5,470	75.77 84.12 88.64 91.26 96.89 102.24 106.18	1.57 1.88 2.12 2.25 2.30 2.46 2.64 2.74	1,670 1,858 2,143 2,243 2,344 2,443 2,576	46.74	0.67 0.85 0.98 1.12 1.19 1.23 1.31 1.38
Ontario: 1946 1949 1951 1953 1954 1955 1956 1957 1958 1959	2,990 3,489 3,892 4,030 4,156 4,413 4,651	75.69 79.67 82.47 8 87.14 92.02	1.39 1.73 1.96 7 2.05 7 2.13 2.25 2.39 7 2.49	3,563 4,135 4,609 4,774 4,885 5,200 9,5469 5,831	66.81 79.67 89.28 93.91 96.52 102.18 91.77 1111.44	1.65 2.02 2.28 2.46 2.46 2.61 2.77 4.28	1,746 2,051 2,281 2,334 5 2,433 1 2,585 8 2,886	32.74 39.49 44.23 45.88 48.03 50.18 52.91 55.16	0.86 1.04 1.18 1.22 1.27 1.33 1.41
Manitoba: 1946 1949 1951 1953 1954 1955 1956 1957 1958 1959	2,729 3,050 3,419 3,529 3,630 3,79 3,960 4,16	52.99 60.5 9 66.3 5 68.3 70.5 7 73.1 5 76.8 8 81.2	8 1.25 7 1.5 5 1.60 0 1.7 7 1.7 7 1.8 5 1.9 5 2.1	8 3,15 0 3,51 6 3,95 4 4,08 8 4,20 6 4,39 6 4,60 0 4,85	9 70.20 5 76.4 3 79.1 3 81.0 8 84.2 8 88.8 1 93.0	9 1.4 1.7 7 1.9 0 1.9 4 2.0 4 2.1 9 2.2 7 2.3	8 1,534 3 1,756 0 1,966 9 2,056 2 2,11 1 2,19 4 2,30 9 2,42	30.30 35.06 37.98 0 39.67 4 40.76 0 41.98 4 44.48 1 46.44	0.70 0.81 0.91 1.00 1.00 1.11 1.11

TABLE 39. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Provinces, 1946-59 — Concluded

and										
Year and province	All employees			Male employees			Female employees			
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly	
		dollars								
Saskatchewan: 1946 1949 1951 1953 1954 1955 1956 1957 1958 1959	1,654 2,085 2,444 2,809 2,925 3,065 3,358 3,641 3,668 4,026	38. 78 45. 18 56. 35 61. 30 63. 96 66. 24 69. 51 75. 74 79. 17 82. 13	0. 90 1. 07 1. 36 1. 51 1. 58 1. 64 1. 73 1. 92 2. 04 2. 11	1, 88 2 2, 364 2, 764 3, 167 3, 305 3, 472 3, 817 4, 149 4, 156 4, 619	46. 10 53. 23 64. 97 71. 66 76. 35 79. 64 88. 61 90. 92 95. 26	1. 06 1. 25 1. 56 1. 74 1. 84 1. 88 1. 97 2. 23 2. 33 2. 44	988 1, 300 1, 584 1, 774 1, 844 1, 951 2, 160 2, 224 2, 277 2, 471	24. 20 29. 30 37. 25 40. 16 41. 65 42. 88 45. 07 47. 50 49. 83 50. 97	0. 59 0. 71 0. 91 1. 02 1. 04 1. 08 1. 14 1. 23 1. 31	
Alberta: 1946 1949 1951 1953 1954 1955 1956 1957 1958	1,812 2,311 2,558 3,081 3,240 3,313 3,672 4,033 4,281 4,511	39. 34 51. 80 62. 06 69. 93 74. 38 75. 60 80. 71 86. 65 91. 13 94. 78	0. 92 1. 23 1. 50 1. 75 1. 85 1. 90 2. 02 2. 22 2. 20 2. 30 2. 40	2,065 2,610 2,870 3,484 3,685 3,755 4,161 4,593 4,886 5,164	46. 30 60. 06 71. 12 79. 64 85. 34 86. 18 91. 71 98. 54 103. 01 107. 40	1. 06 1. 40 1. 71 1. 97 2. 11 2. 13 2. 28 2. 48 2. 57 2. 70	1, 055 1, 334 1, 487 1, 840 1, 857 1, 900 2, 122 2, 352 2, 463 2, 582	23. 66 30. 72 36. 86 42. 05 43. 04 43. 61 46. 77 51. 90 53. 72	0. 57 0. 76 0. 92 1. 08 1. 10 1. 13 1. 20 1. 32 1. 36 1. 39	
British Columbia: 1946 1949 1951 1953 1954 1955 1956 1957 1958	2, 200 2, 758 3, 174 3, 609 3, 796 4, 079 4, 265 4, 576 4, 837 5, 118	46. 59 57. 91 71. 10 78. 41 81. 81 85. 00 89. 54 93. 93 99. 75 104. 18	1. 11 1. 43 1. 78 1. 99 2. 08 2. 16 2. 28 2. 43 2. 58 2. 69	2, 499 3, 133 3, 606 4, 075 4, 305 4, 618 4, 900 5, 223 5, 520 5, 830	54. 10 66. 92 81. 66 89. 70 93. 83 97. 12 102. 47 107. 62 113. 14 118. 40	1. 28 1. 64 2. 03 2. 26 2. 36 2. 44 2. 60 2. 77 2. 91 3. 04	1, 264 1, 579 1, 767 1, 993 2, 075 2, 258 2, 372 2, 512 2, 699 2, 839	27. 36 33. 73 40. 03 43. 84 45. 22 47. 53 49. 61 51. 79 55. 34 57. 61	0.67 0.85 1.02 1.14 1.18 1.24 1.30 1.36 1.46 1.53	

TABLE 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-59

Varuand arms	All employees			Male employees			Female employees		
Year and group	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
					dollars				
Foods and beverages:									
1946 1949	1,990 2,518	41. 33 52. 31	0.98 1.27	2, 314 2, 930	49.90 62.27	1. 16 1. 48	1, 141 1, 490	24. 62 31. 64	0.61
1951	2,941	61. 78	1.53	3, 406	71. 15	1.73	1,785	37. 29	0.95
1953 1954	3, 325 3, 476	68. 37 70. 78	1. 71	3,856 4,027	78. 32 81. 40	1.93 2.03	2,044	41. 55 42. 87	1.08
1955	3,566	73.42	1.84	4, 119	83. 50	2.06	2, 204	44.67	1.17
1956	3,722 3,914	76. 93 81. 45	1.93 2.09	4, 307 4, 549	87. 51 93. 85	2. 17 2. 38	2, 317 2, 397	47.08 49.48	1. 23 1. 31
1958	4, 200	84. 12 88. 91	2. 15 2. 28	4,861	95.84 102.10	2. 41 2. 58	2.615	51. 59 53. 41	1- 37 1- 42
1959	4, 471	88.91	2- 28	5, 198	102.10	2. 58	2, 719	55-41	1. 42
Tobacco and tobacco products:									
19 46 19 49	2, 371 3, 109	39.94 54.17	0. 97 1. 35	2,913 3,667	51. 45 65. 26	1. 22 1. 61	1,424 2,057	25- 17 36- 63	0.62 0.93
1951	3,665	66. 73	1. 79	4, 390	78. 21	2.09	2,379	42.41	1. 15
1953 1954	4, 351 4, 565	73. 72 79. 50	1. 98 2. 11	5, 149 5, 410	86. 27 93. 84	2. 31 2. 48	2,930 3,078	49. 05 53. 44	1. 32
1955	4,732	84-12	2. 23	5, 556	98. 20	2. 58	3, 211	56. 74	1.52
1956 1957	4, 954 5, 166	85. 50 94. 84	2. 26 2. 52	5, 840 6, 080	101. 57 112. 78	2. 68 2. 99	3, 230 3, 411	56. 19 63. 24	1. 49 1. 70
1958	5,532	94. 54	2. 50	6, 560	111.40	2.94	3,660	62. 20	1. 65
1959	5, 595	102.71	2. 69	6, 607	122. 90	3. 20	3, 607	67.06	1. 77
Rubber products:									
1946	2, 289	44.97	1.11	2,776	54. 64 63. 53	1. 34 1. 60	1, 280 1, 697	25. 17 30. 90	0.64
1951	2,974 3,361	53. 70 63. 90	1. 37 1. 67	3, 491 3, 926	74. 59	1.94	1,967	37. 40	0.98
1953 1954	3, 632	71.04	1.83 1.89	4, 210 4, 630	82- 25 85- 57	2. 10 2. 17	2, 143 2, 371	41.84 43.80	1. 10 1. 15
1955	3,977 4,056	74. 07 75. 13	1.93	4,732	86. 67	2. 21	2, 399	43.95	1. 15
1956 1957	4, 231 4, 638	79. 77 83. 04	2.06 2.11	4,946 5,426	92. 31 95. 90	2. 36 2. 42	2, 518 2, 789	46.94 49.30	1. 23 1. 28
1958	4, 679	89.46	2. 31	5, 451	103.39	2. 66	2,764	52.40	1.37
1959	4,951	93.33	2- 42	5,780	108. 22	2. 79	2,890	54. 12	1. 42

TABLE 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-1959 — Continued

	A	ll employee	s	Ma	le employee	98	Female employees		
Year and group	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
Leather products: 1946 1949 1951 1953 1954 1955 1956 1957 1958	2,398 3,033 3,264 3,623 3,674 3,782 3,943 4,207 4,452 4,600	37. 93 48. 95 56. 30 61. 71 64. 44 66. 17 68. 91 73. 62 73. 76 77. 85	0.88 1.18 1.40 1.55 1.63 1.66 1.74 1.88 1.90	2,795 3,533 3,795 4,256 4,339 4,473 4,662 5,029 5,331 5,530	45.12 57.94 66.47 73.25 77.23 78.49 81.65 88.85 87.98 93.05	1.01 1.36 1.61 1.80 1.91 1.92 2.02 2.22 2.23 2.32	1,465 1,819 1,958 2,162 2,187 2,268 2,401 2,494 2,724 2,826	23.66 29.86 34.33 37.24 38.96 39.81 42.66 44.03 45.00 47.53	0.59 0.76 0.90 0.98 1.03 1.05 1.11 1.19 1.20
Textile products (except clothing): 1946 1949 1951 1953 1954 1955 1956 1956 1957 1958	2,675 3,199 3,655 3,827 3,951 4,027 4,209 4,402 4,637 4,802	48.08 53.69 65.41 70.73 72.94 75.10 78.29 82.62 85.27 86.01	1.16 1.31 1.64 1.78 1.86 1.87 2.00 2.14 2.21	3,338 3,884 4,465 4,635 4,796 5,070 5,305 5,574 5,704	59,30 65,47 79,67 84,77 88,28 88,74 92,79 98,82 100,83 101,75	1.39 1.56 1.97 2.09 2.21 2.17 2.34 2.52 2.58 2.60	1,522 1,864 2,063 2,234 2,269 2,354 2,454 2,562 2,754 2,812	27.07 31.46 36.78 40.87 41.80 42.83 44.89 47.73 49.84 50.14	0.69 0.80 0.96 1.07 1.10 1.12 1.19 1.27 1.34
Clothing including knitting mills: 1946 1949 1951 1951 1952 1954 1955 1956 1957 1958	2,580 3,132 3,375 3,674 3,763 4,103 4,103 4,372 4,524 4,763	38.00 48.04 57.54 62.41 66.24 66.94 69.75 74.32 76.59 77.56	0.92 1.18 1.46 1.58 1.68 1.77 1.91 1.95	3,124 3,817 4,157 4,541 4,662 4,742 5,066 5,424 5,559 5,863	47.65 60.25 72.45 78.81 84.43 83.18 87.29 94.45 94.82 96.55	1.12 1.45 1.79 1.94 2.09 2.04 2.16 2.36 2.37	1,646 2,031 2,116 2,316 2,308 2,471 2,634 2,755 2,991 3,195	25.13 32.08 36.85 40.18 41.82 43.34 45.38 48.00 51.05 52.63	0.63 0.82 0.96 1.05 1.10 1.12 1.19 1.28 1.34 1.39
Wood products: 1946 1949 1951 1951 1953 1954 1955 1956 1957 1958 1959	2,597 2,879 3,140 3,261	42.65 54.15 64.48 71.35 74.01 76.34 78.87 83.01 86.00 89.14	0.98 1.28 1.55 1.73 1.81 1.87 1.93 2.07 2.14 2.22	1,527 2,038 2,407 2,717 2,738 3,094 3,396 3,539 3,786 4,106	50.08 62.56 74.34 81.52 84.81 86.58 89.31 94.69 97.23 101.13	1.11 1.44 1.75 1.94 2.03 2.07 2.15 2.32 2.38 2.47	760 1,015 1,204 1,342 1,374 1,572 1,715 1,762 1,942 2,098	24.92 31.14 37.16 40.28 41.79 44.02 45.06 47.13 49.86 51.68	0.62 0.79 0.96 1.05 1.09 1.15 1.18 1.25 1.32
Paper products: 1946 1949 1951 1951 1953 1954 1955 1956 1957 1958 1959	3,679 4,338 4,808 4,950 5,046 5,271 5,511 5,814	52. 29 65. 57 79. 57 87. 68 93. 19 95. 20 101. 05 107. 34 109. 48 112. 95	1.28 1.64 2.05 2.31 2.47 2.53 2.69 2.87 2.94 3.02	3,374 4,354 5,147 5,693 5,863 5,985 6,243 6,482 6,792 7,035	62.49 77.41 93.92 102.39 109.16 111.47 117.86 124.63 126.68 130.55	1.50 1.92 2.39 2.67 2.88 2.93 3.13 3.31 3.34	1,481 1,964 2,224 2,550 2,663 2,663 2,809 2,943 3,090 3,215	27.45 34.88 40.60 45.92 48.45 49.55 53.03 56.60 57.64 59.72	0.70 0.91 1.07 1.24 1.31 1.34 1.44 1.57
Printing, publishing and allied industries: 1946	2,368 2,749 3,142 3,258 3,412 3,717 4,077	37.07 46.55 57.20 63.88 67.30 68.54 74.50 77.86 82.32 84.94	0.93 1.20 1.50 1.71 1.79 1.82 2.00 2.07 2.21 2.28	2,479 2,879 3,352 3,840 4,029 4,179 4,359 4,577 5,061 5,364	45.76 57.12 69.61 78.01 83.19 84.02 91.91 95.81 101.61 105.46	1.13 1.46 1.81 2.09 2.20 2.22 2.45 2.53 2.72 2.82	1,316 1,526 1,773 2,016 2,043 2,181 2,214 2,353 2,596 2,698	24.30 30.30 36.83 40.95 42.14 43.84 46.72 49.20 52.10 53.09	0.62 0.80 0.97 1.11 1.13 1.18 1.26 1.32 1.40
Iron and steel products: 1946 1949 1951 1951 1953 1954 1955 1956 1957 1958	3,095 3,635 3,993 4,212 4,274 4,497 4,749 5,025	50.14 55.77 67.65 74.88 78.30 81.53 86.51 91.31 95.77 99.48	1.23 1.40 1.73 1.93 2.01 2.10 2.23 2.37 2.48 2.58	2,891 3,574 4,195 4,598 4,815 5,172 5,438 5,753 5,935	52.88 65.17 78.15 86.02 89.57 93.18 99.50 104.50 108.78 113.18	1.27 1.62 1.97 2.19 2.29 2.38 2.54 2.69 2.80 2.91	1,391 1,762 2,056 2,285 2,412 2,455 2,534 2,675 2,830 2,926	25. 43 32. 13 38. 30 42. 71 44. 88 46. 77 55. 37 53. 57 55. 84	0.65 0.84 1.01 1.14 1.19 1.24 1.29 1.36 1.42 1.48

TABLE 40. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-39 — Concluded

Manufacturing Industries, by Industrial Groups, 1946-59 — Concluded										
Year and group	A	ll employee	8	Ma	ale employe	es	Female employees			
	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly	
Managoratotica equipments					dollars		'			
Transportation equipment: 1946 1949 1951 1953 1954 1955 1956	2,574 3,277 3,733 4,301 4,391 4,553	50. 14 62. 04 71. 39 79. 43 84. 40 87. 76	1. 19 1. 50 1. 74 1. 99 2. 09 2. 18	2, 981 3, 713 4, 214 4, 876 4, 954 5, 074	57. 95 71. 01 80. 85 90. 20 95. 28 98. 30	1. 35 1. 70 1. 96 2. 24 2. 34 2. 43	1,446 1,827 2,162 2,482 2,507 2,633	28. 08 34. 95 41. 51 45. 93 48. 22 50. 98	0. 69 0. 87 1. 04 1. 18 1. 24 1. 30	
1956 1957 1958 1959 Non-ferrous metal products:	4, 744 4, 987 5, 338 5, 783	92. 25 96. 11 101. 25 106. 21	2. 30 2. 43 2. 58 2. 72	5, 292 5, 559 5, 919 6, 418	103. 42 107. 45 112. 24 118. 06	2.55 2.69 2.85 3.00	2, 752 2, 885 3, 119 3, 369	53.81 55.81 59.15 62.02	1. 38 1. 45 1. 54 1. 62	
1946 1949 1951 1951 1953 1954 1955 1956 1957 1958	2,590 3,189 3,585 4,057 4,336 4,591 4,637 5,014 5,480 5,503	47. 22 60. 25 73. 63 80. 30 85. 75 86. 55 91. 28 99. 83 105. 18 105. 61	1. 14 1. 47 1. 86 2. 04 2. 21 2. 24 2. 38 2. 63 2. 76 2. 76	3,061 3,776 4,188 4,693 4,994 5,272 5,366 5,710 6,268 6,277	57. 07 71. 43 85. 63 93. 16 97. 90 99. 21 104. 06 113. 43 119. 18 120. 77	1. 35 1. 71 2. 13 2. 34 2. 50 2. 54 2. 69 2. 97 3. 11 3. 14	1,488 1,794 1,968 2,239 2,372 2,589 2,624 2,689 2,946 2,913	27. 71 33. 95 40. 21 44. 44 46. 53 48. 75 50. 89 53. 40 56. 06 56. 05	0. 69 0. 88 1. 06 1. 18 1. 24 1. 31 1. 36 1. 44 1. 51	
Electrical apparatus and supplies: 1946 1949 1951 1953 1954 1955 1956 1956 1958 1958	2, 267 2, 990 3, 468 3, 925 4, 052 4, 067 4, 416 4, 778 5, 176 5, 373	45. 46 55. 15 64. 82 75. 07 78. 36 83. 39 88. 71 90. 21 95. 78 100. 46	1. 15 1. 41 1. 67 1. 95 2. 02 2. 15 2. 27 2. 33 2. 48 2. 58	2, 732 3, 489 4, 055 4, 565 4, 736 4, 691 5, 127 5, 498 5, 918 6, 147	54. 74 64. 32 75. 51 87. 17 90. 46 95. 57 102. 73 103. 91 109. 36 115. 31	1.37 1.64 1.92 2.25 2.31 2.44 2.61 2.66 2.82 2.96	1,382 1,877 2,060 2,360 2,449 2,472 2,533 2,798 3,018 3,092	27. 68 34. 58 38. 37 45. 04 46. 73 50. 38 50. 74 52. 92 55. 74 57. 96	0. 72 0. 90 1. 02 1. 19 1. 23 1. 32 1. 32 1. 39 1. 46 1. 50	
Non-metallic mineral products: 1946 1949 1951 1953 1954 1956 1956 1957 1958	2, 134 2, 837 3, 297 3, 736 3, 852 4, 095 4, 242 4, 543 4, 803 4, 945	43. 29 53. 94 66. 34 74. 31 77. 54 81. 04 85. 90 90. 08 93. 21 96. 06	1. 05 1. 35 1. 69 1. 90 1. 99 2. 05 2. 20 2. 29 2. 43 2. 47	2,444 3,218 3,793 4,304 4,392 4,644 4,786 5,128 5,391 5,551	50.47 62.87 76.94 85.84 89.31 92.20 97.73 102.27 104.64 107.75	1. 19 1. 54 1. 93 2. 15 2. 26 2. 30 2. 47 2. 57 2. 69 2. 74	1, 256 1, 635 1, 904 2, 174 2, 214 2, 364 2, 412 2, 595 2, 722 2, 825	25. 96 31. 96 38. 61 43. 36 45. 01 46. 97 49. 22 51. 74 52. 84 54. 87	0.66 0.85 1.03 1.17 1.21 1.25 1.32 1.38 1.44	
Products of petroleum and coal: 1946 1949 1951 1953 1954 1955 1956 1957 1958	2, 412 3, 100 3, 662 4, 217 4, 265 4, 458 5, 217 5, 411 5, 591 6, 188	47. 66 61. 40 74. 52 98. 27 101. 28 105. 76 110. 54 117. 21 119. 14 126. 60	1. 21 1. 62 1. 94 2. 64 2. 75 2. 87 3. 00 3. 19 3. 28 3. 46	2, 747 3, 490 4, 147 4, 881 4, 944 5, 148 5, 975 6, 217 6, 407 7, 071	54. 05 68. 49 81. 92 111. 87 116. 07 121. 46 126. 42 134. 46 134. 83 143. 55	1. 35 1. 77 2. 12 2. 98 3. 14 3. 27 3. 42 3. 63 3. 69 3. 90	1,338 1,769 2,161 2,309 2,309 2,322 2,731 2,878 3,037 3,231	26. 33 34. 70 42. 72 52. 95 54. 20 54. 77 57. 72 62. 30 63. 91 65. 62	0.69 0.96 1.15 1.46 1.50 1.51 1.60 1.73 1.79	
Chemicals and allied products: 1946 1949 1951 1953 1954 1955 1956 1957 1958 1959	2,386 2,883 3,379 3,808 4,083 4,206 4,509 4,728 5,043 5,190	43. 88 54. 89 66. 37 74. 59 79. 70 82. 41 87. 38 93. 84 98. 72 103. 01	1. 11 1. 42 1. 72 1. 95 2. 10 2. 15 2. 30 2. 48 2. 61 2. 73	2,946 3,481 4,061 4,581 4,929 5,034 5,405 5,654 6,070 6,254	55. 92 67. 30 78. 79 88. 12 94. 51 96. 63 101. 85 109. 75 115. 96 121. 19	1. 40 1. 72 2. 03 2. 29 2. 47 2. 50 2. 67 2. 90 3. 05 3. 19	1, 426 1, 782 2, 079 2, 336 2, 460 2, 582 2, 789 2, 867 2, 980 3, 033	27. 08 34. 46 40. 31 44. 90 47. 16 49. 53 52. 51 55. 68 56. 89 58. 82	0.70 0.91 1.06 1.19 1.25 1.31 1.40 1.48 1.52 1.57	
Miscellaneous industries: 1946 1949 1951 1951 1953 1954 1955 1956 1957 1958	2, 298 2, 816 3, 246 3, 733 3, 681 3, 900 4, 076 4, 364 4, 632 4, 852	39. 89 50. 47 60. 89 69. 21 73. 34 75. 26 78. 66 83. 07 87. 24 90. 07	0. 93 1. 25 1. 57 1. 78 1. 89 1. 93 2. 05 2. 17 2. 29 2. 35	2,797 3,435 3,960 4,053 4,464 4,713 4,889 5,245 5,553 5,816	51. 41 63. 44 75. 50 84. 11 89. 72 91. 55 95. 04 100. 92 104. 68 108. 13	1. 23 1. 54 1. 88 2. 14 2. 27 2. 29 2. 44 2. 60 2. 73 2. 80	1, 393 1, 700 1, 925 2, 027 2, 210 2, 338 2, 484 2, 591 2, 760 2, 879	25. 62 31. 43 36. 73 42. 08 44. 42 45. 45 48. 29 49. 89 52. 01 53. 48	0. 66 0. 84 0. 99 1. 11 1. 19 1. 21 1. 29 1. 34 1. 39 1. 43	

Office Workers and Other Salaried Employees. — A survey of weekly earnings of administrative and office employees, classified into (a) managerial and professional employees and (b) office workers, was undertaken for the first time in 1951 and repeated again in 1954 and 1957. According to Table 41 below, average weekly salaries of all office and supervisory employees in 1957 averaged \$89.92. Male employees received \$104.63 and female employees \$51.84. The increase per week since 1951 for all employees totalled \$23.94, for males \$27.08 and for females \$13.42.

The average weekly salary for office workers rose in the six years from \$51.14 to \$67.98, an advance of 32.9 p.c. as compared with 36.3 p.c. for all salaried employees. The average for men classed in the office group increased by \$20.40 to \$81.08 and for women by \$13.03 to \$50.80, representing an advance of 33.6 p.c. and 34.5 p.c. respectively. The upward movement was more pronounced in the durable goods division than in non-durables. Higher earnings for office workers were

reported in 1957 as compared with 1954 in all provinces and industry groups.

The residual group of salaried employees composed mainly of managerial, professional and related staffs and professional salesmen, comprises a varied group, the composition of which may differ from firm to firm. Its components are affected not only by varying requirements for administrative and professional personnel but also by the extent to which proprietors and firm members (excluded from the survey) undertake such duties, and by the organization of separate sales offices. The managerial and professional employees reported in 1951 averaged \$98.38 per week, the men earned \$99.73 and the women \$57.04. Six years later the averages were \$124.53 for both sexes, \$126.47 for men and \$72.24 for women. All industry groups and provinces reported higher earnings in 1957 as compared with 1954, raising the average salary for both sexes in the managerial and professional group to more than \$100 per week in all provinces and major industrial groups.

TABLE 41. Average Weekly Earnings of the Administrative and Office Employees in the Manufacturing Industries of Canada, classified on the Basis of (a) Managerial and Professional Employees and (b) Office Workers, by Province and Industrial Group, 1951, 1954 and 1957¹

by Province and industrial Glody, 1994, 1994										
	All sa	laried empl	oyees	Managerial and professional employees			Office workers			
Province and group	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	
					dollars				,	
Province, 1951			i 1				1	1		
	62.04	70, 71	30.80	116, 20	121.37		47.02	52.93	30.19	
Newfoundland Prince Edward Island	46.90	55.98	26.75	88.62	89.34		49.00	57. 87	31.66	
Nova Scotia	58.43 57.65	67.83 68.64	31.95 31.72	93.40	93.54		44.96	53.97 58.82	31.51 36.54	
Quebec	64.67	75.77 79.67	37.32 39.49	99. 57 98. 81	101.30	56.35 57.80	50.04 52.02	62.44	38, 86	
Ontario Manitoba	67.29 60.57	70.20	35.06	87.91	88.56		47.28 44.73	55.69 51.31	34.53 36.97	
Saskatchewan	56.35 62.06	64.97 71.12	37. 25 36. 86	79.53 89.23	79.98 89.66		49.32	57.25	36.48	
Alberta British Columbia	71. 10	81.66	40.03	100.95	101.78	59. 14	55.75	65.46	39.52	
Canada	65.98	77. 55	38, 42	98.38	99. 73	57. 04	51. 14	60, 68	37.77	
Industrial group, 1951										
	61.78	71.15	37, 29	86.89	87.54	57, 65	48.31	56.49	36.72	
Foods and beverages	66.73	78.21	42.41	87.06	86.56 98.26		56.47 48.40	70.18 56.32	41.53	
Rubber products	63.90 56.30	74.59 66.47	37.40	97.48 90.22	91.58		45.78	53.97	33.56	
Textile products (except clothing)	65.41	79.67 72.45	36.78	103.41	105.45 99.62	54.65 58.38	48.21 44.92	58.75 55.32	35.55	
Clothing, including knitting mills	57.54 64.48	74.34	37.16	96.70	97.48	59.47 58.22	52.56 56.87	61.33 67.67	36.69	
Paper products	79.57 57.20	93.92	40.60	125.26 90.05	126. 91 93. 55	54.20	45.02	53.89	35.65	
Printing, publishing and allied industries Iron and steel products	67.00	78.15	38.30	101.60	102.32 104.51	58. 37 60. 71	53.99 57.79	63.14	37.94	
Transportation equipment	71.39	80.85 85.63	41.51	104.15	101.79	57.75	52.87	63.70	39.67 37.83	
Electrical apparatus and supplies	64.82	75.51	38. 37 38. 61	96.41 97.87	97.51 98.31	57.99	52.67 50.64	62.06 59.17	38. 24	
Non-metallic mineral products	66.34	76.94 81.92	42.72	99.87	101.13		56.48	63.15 56.55	40.72	
Chemicals and allied products	66.37	78.79 75.50	40.31	93.97	95.77 97.11	55.44	47.81 45.96	56.66	36. 20	
Miscellaneous industries	60.05	15.50	30.10							
Province, 1954							F0.00	60, 20	37.01	
Newfoundland Prince Edward Island	71.39 50.04	80.34 58,50	37.55 30.60	112. 28	_	_	53.32	_	_	
Nova Scotia	65.91	76.73	35.64	91. 04 96. 48			50.52	61.35 62.69		
New Brunswick	66. 18 76. 32	77. 96 88. 64	44.83	107.42	109.13	64.70	58.24	68,80	43.77	
Ontario	79.67	93. 91 79. 10	45.88	112.90 96.31		66. 15 58. 43		73.22 63.35	39.00	
Manitoba Saskatchewan	00 00	74.68	41.65	85.69	86.34		50.57	60.27		
Alberta British Columbia	74.38	85.34 93.83					57.01 62.40			
							59, 29	70, 94	44, 16	
Canada	77.81	90, 99	45.00	109.6	1 111, 19	0.20 00				

TABLE 41. Average Weekly Earnings of the Administrative and Office Employees in the Manufacturing Industries of Canada, classified on the Basis of (a) Managerial and Professional Employees and (b) Office Workers, by Province and Industrial Group, 1951, 1954 and 1957;—Concluded

by Flowinge and industrial Group, 1951, 1954 and 1957. — Concluded										
Province	All s	alaried emp	loyees	Manage	rial and pro employees	fessional	C	office worke	PTS	
Province and group	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	
To do del 2	dollars									
Industrial group, 1954 Foods and beverages Tobacco and tobacco products Rubber products Leather products Textile products (except clothing). Clothing including knitting mills Wood products Paper products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	70. 78 79. 50 74. 07 64. 44 72. 94 66. 24 74. 01 93. 19 67. 30 84. 40 85. 75 78. 36 77. 54 101. 28 79. 70 73. 34	81, 40 93, 84 85, 57 77, 23 88, 28 84, 43 84, 81 109, 16 83, 19 95, 28 97, 90 90, 46 89, 31 116, 07 94, 51 89, 72	42. 87 53. 44 43. 80 38. 96 41. 80 41. 82 41. 79 48. 45 42. 14 44. 88 48. 22 46. 73 45. 01 54. 20 47. 16 44. 42	93. 93 105. 27 92. 00 107. 28 96. 56 101. 31 105. 92 111. 19 119. 86 113. 05 111. 58 109. 49 138. 05 107. 44 105. 69	94. 68 106. 59 107. 27 95. 04 108. 98 102. 45 101. 97 136. 86 108. 44 111. 81 120. 40 114. 06 112. 43 110. 18	59. 38 51. 60 60. 52 55. 94 59. 23 67. 43 67. 74 61. 79 71. 90 74. 81 71. 72 62. 80	54.81 57.85 55.75 49.26 51.19 48.30 56.42 51.68 60.52 60.64 64.44 58.33 61.61 63.44 58.33 61.61	65.06 68.31 64.87 59.70 62.10 60.88 66.58 78.28 70.42 80.01 77.08 74.58 68.21 69.59 68.97 66.95	42. 33 51.06 43. 24 40. 99 40. 07 41. 36 47. 70 40. 92 44. 43 47. 90 45. 96 46. 13 44. 44 51. 13 45. 62 43. 57	
Province, 1957 Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia	85.90 63.27 76.14 74.46 88.34 92.02 76.85 75.74 86.65 93.93	95. 80 74. 79 89. 06 87. 44 102. 24 107. 75 88. 89 88. 61 98. 54	46. 16 34. 66 41. 16 41. 58 51. 59 52. 91 47. 50 50. 50	116. 66 	118.09 104.87 110.19 125.91 129.70 104.91 104.35 116.66	71. 15 75. 16 52. 88	69. 02 57. 79 58. 28 67. 12 69. 19 59. 66 57. 67 64. 97	78.84 70.91 69.94 78.83 83.25 71.23 68.14 75.62	45. 64 	
Canada	89. 92	104.63	51. 79	123. 64	124.56 126.47	79.64 72.24	72. 11 67. 98	86.96 81.08	50.76 50.80	
Industrial group, 1957 Foods and beverages Tobacco and tobacco products Rubber products Leather products Leather products Clothing including knitting mills Wood products Printing, publishing and allied industries Frinting, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	81. 45 94. 84 83. 04 73. 62 82. 62 74. 32 83. 01 107. 34 77. 86 91. 31 96. 11 99. 21 90. 08 117, 21 93. 84 83. 07	93. 85 112. 78 95. 90 88. 85 98. 82 94. 69 124. 63 95. 81 104. 50 107. 45 113. 43 103. 91 102. 27 134. 46 109. 75	49.48 63.24 49.30 44.03 47.73 48.00 47.13 56.60 49.20 51.37 55.81 52.92 51.74 62.30 55.68	106. 28 119. 38 115. 74 106. 64 116. 94 107. 17 112. 06 157. 49 111. 04 130. 54 132. 29 132. 20 122. 66 157. 81 124. 44	107. 49 129. 52 116. 78 110. 11 119. 81 113. 96 115. 00 131. 43 132. 82 133. 14 129. 85 123. 62 160. 77 126. 11	61.00 73.92 59.73 62.73 64.14 74.32 83.71 71.50 73.13 84.29 73.28 74.67 90.81 85.29 62.82	62, 21 69, 67 63, 80 60, 83 54, 76 62, 83 75, 84 79, 84 72, 19 67, 02 74, 56 61, 48	74. 21 81. 83 74. 72 66. 73 74. 18 68. 15 74. 02 88. 60 91. 06 85. 51 77. 65 86. 64 77. 34 75. 87	48. 99 59. 59 49. 27 42. 75 46. 75 46. 17 46. 29 55. 69 46. 89 50. 87 55. 37 52. 74 52. 74 59. 46 53. 52 49. 18	

¹ Taken from the annual reports "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division.

The term "Administrative and Office Employees" as used by the annual survey of manufactures corresponds to the term "Salaried Employees" used by the Employment Section of the Labour Division.

Distribution of Employees on the Basis of Weekly Earnings. — Prior to 1950 statistics on the distribution of employees on the basis of weekly earnings were compiled by the Industry and Merchandising Division in the annual census of manufactures. At first only wage-earners were covered and in 1944 salaried employees were also included. In 1946 this phase of manufacturing statistics was transferred to the Employment Section of the Labour Division. The 1950 survey which covered the last pay period in October made available data on the distribution of employees by earnings groups for the first time since the Census of Manufactures survey in January 1944. The data in the two surveys are not strictly comparable, largely because

the earlier surveys included establishments employing less than 15 persons and were conducted for a different period of the year, Also the 1944 survey reflected wartime conditions.

Variation in the provincial distribution of employees by amounts earned are obviously related to pay levels, occupational and sex differences, number of casual and part-time workers, and length of the working week in the more important industries in each area. Most of the employees in the low-earnings ranges are casually-employed workers, or those who do not work full time in the week. Part-time work is particularly common among women; the 1952 survey showed that 11.9 p.c.

⁻⁻ Number too small to be significant.

of the female production workers reported in manufacturing worked 30 hours or less, as compared with 4.6 p.c. for men. Short-time or casual work is characteristic of such industries as fish processing and fruit and vegetable canning, the duration of employment depending on the immediate availability of materials.

The tremendous change in the level of incomes of factory workers since the war is strikingly illustrated in Table 42. Whereas in 1940 only 3 p.c. of male and none of the female production workers received \$50 or more per week, in 1959 these percentages jumped to 89 and 32 respectively. The percentage of employees in the lower income groups declined accordingly. Whereas in 1940, 72 p.c. of male production

workers received less than \$30 per week, in 1959 the percentage declined to 2. For female production workers the percentage in these groups declined from 99 to 23.

For office workers information on the distribution by income groups is only available for 1944, 1950, 1953, 1956 and 1959. Earnings by office workers, too, advanced to unprecedented heights. The percentage of male office workers receiving \$50 or more per week rose to 95 in 1959 from 39 in 1944, while for females the percentage in 1959 was 63 as compared with none in 1944. Tables 43 and 44 give the distribution by income groups of male and female production workers as well as office workers by provinces and major industrial groups for 1959.

TABLE 43. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, 1934-59

					C	lass rang	ge					Average
Year	Under \$10.00	\$10.00 to \$19.99	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 and over	weekly earning
		V 20400				per cent						\$
ale wage-eamers:												
1934	12	43	32	10	2	12						20.3
1936	10	40	35	11	3	12						20.
1940	6	29	37	19	6	3 ²						24.
1944	3	9	25	31	20	9	2	12				34.
1950¹	1	2	5	14	26	28	14	6	2	1	1	50.
1953¹	1	2	2	5	12	21	27	16	7	3	4	62.
1956¹		1	2	4	8	14	22	20	13	7	9	70.
1959 ¹		1	1	3	6	9	14	20	18	11	17	79.
1939												
emale wage-earners:												11
1934	34	61	4	1	-	-	_	_	_	_	_	12
1936	30	65	4	12								13
1940	23	68	8	12								1
1944	10	45	33	10	2							20
19501	3	16	35	30	12	2	1	_	1	1	_	29
19531	3	9	26	28	20	10	3	1				35
1956¹	2	7	19	26	22	14	7	2				39
19591	2	5	16	23	22	15	10	5	2			43
Tale salaried employees:								1.0	2			46
1944	1	6	13	21	1	1				5 5	12	
19501	-	1	5	8		ļ						
1953 ²			2	3	7							
1956¹			1	2						1		
19591		1	1	3	5	7	9	11	. 11	20	32	111
Temale salaried employees:										_	_	2
1944	. 2			· ·				_				
1950¹					-		5 1					
1953¹		. 2	2 9	30	34							1
1956¹		. 1	1 4	18	3	1 2				2		
1959¹	.	1 3	3 10	2	3 2	7 1	9 10) (4	2	1	- 5

¹ Statistics for 1950, to 1959 are taken from the annual reports ''Earnings and Hours of Work in Manufacturing'', compiled by the Employment Section of the Labour Division, The terms ''wage-earners'' and ''salaried employees'' in the above table correspond to the terms ''production and related workers'' and ''administrative and office'' employees in the annual survey of manufactures.

² And over.

⁻⁻ Number too small to be significant.

TABLE 43. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings and by Sex and Province, 1959

				sex an	G 11071	nce, 19					_	
					(Class ran	ge					
Province	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	Average weekly earnings
						per cen	t		1	l.	1	\$
Male wage-earners:				1		1	1	}	1	1		
Newfoundland	10	7	6	9	9	9	14	12	7	10	7	67.26
Prince Edward Island ¹												52.03
Nova Scotia	3	4	7	12	14	16	17	11	6	7	3	67.49
New Brunswick	2	3	8	15	15	14	19	10	6	6	2	65.72
Quebec Ontario	1	2	4	8	12	17	19	14	9	8	6	74.55
Manitoba	1	1	2	6	8	14	19	20	12	12	8	82.58
Saskatchewan	1	1	2	5	9	18 20	22 18	21 18	9	6	4	75.34
Alberta	1	1	1	3	8	17	23	20	11	10	3 4	76.13
British Columbia	1	1	1	2	3	8	25	21	16	15	7	79.00 86.12
												00.12
Canada	1	1	3	6	9	14	20	18	11	11	6	79.20
Female wage-earners:												
Newfoundland	48	32	14	5	1	~-	_		_		-	20.43
Prince Edward Island ¹	4.5	40	0.00									26.93
Nova Scotia	15 16	40	27	14	3	1				-	-	29.35
Quebec	8	33 20	27 24	18 22	3 13	2	1 3				-	30.53
Ontario	6	10	21	24	18	9	6	1 2	1			40.74
Manitoba	6	19	30	22	12	7	3	1				46.35 40.55
Saskatchewan	3	5	22	16	20	21	11	2			_	50.33
Alberta	8	12	21	14	18	12	11	3	1			47.22
British Columbia	. 6	7	15	18	15	20	15	3	1			50.48
Canada	7	16	23	22	15	10	5	2			****	43.46
Male salaried employees:												
Newfoundland		1	6	11	10	8	7	7	9	14	27	97.09
Prince Edward Island ¹												74.30
Nova Scotia		1	3	6	9	10	12	11	8	16	24	94.33
New Brunswick	1	1	2	11	11	13	12	11	9	12	17	92.27
Quebec		1	2	4	5	8	10	11	10	18	31	110.63
Ontario			1	2	4	6	9	11	12	21	34	116.08
Manitoba			2	5	6	11	11	13	12	19	21	97.44
Saskatchewan			2	5	8 5	11	12	13 12	12 12	16 20	21	95.26
British Columbia			1	2	3	8 4	11	9	12	24	39	107.40
Canada		1	1	3	5	7	9	11	11	20	32	112.78
		_	_								0.0	
Female Salaried employees:												
Newfoundland	10	12	20	17	19	14	5	2	1		-	44.12
Prince Edward Island ¹						1						36.60
Nova Scotia	1	8	30	30	19	7	3	1	1			44.10
New Brunswick	2	9	28	32	16	9	3	1		-		43.59
Quebec	1	4	12	21	26	19	10	4	2	1 2		55.49
Ontario	1 2	2 4	19	23 34	28	20	10	4 2	2 1	2		56.90 47.82
Saskatchewan	1	1	11	38	29	13	5	2				50.97
Alberta	1	3	10	25	31	18	7	3	2			53.72
British Columbia		2	5	23	31	20	10	4	2	2	1	57.61
Canada	1	3	10	23	27	19	10	4	2	1	-	55. 73
1 Passible and head					1							

¹ Breakdown by class range not available.

⁻⁻ Number too small to be significant.

TABLE 44. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, and by Sex and Industrial Group, 1959

	а	and by S	ex and l	industri	al Group	1959						
					С	lass rang	je					
Group	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	Average weekly earnings
		1				per cent						\$
Male wage-earners:	0		4	7	10	10	1.0	16	10	6	3	71 54
Food and beverages	3	3	4	7	12	18	18	16	10	10	3 5	71.54
Tobacco and tobacco products		1	1	5	4	6	37	21	10	15	8	81.81
Rubber products		**	1	3	8	15	18	18			8	56.34
Leather products	4	7	11	14	19	20	14		3	3	1	63.15
Textiles, except clothing	1	1	6	17	24	21	14	8	4			
Clothing, including knitting mills	3	5	10	14	16	16	14	9	6	6	1	62.73
Wood products	2	2	5	12	17	17	23	11	6	4	1	66.23
Paper products		1	1	2	5	10	25	17	14	15	10	88. 19
Printing, publishing and allied industries	2	. 2	4	6	7	7	8	10	14	20	20	92.60
Iron and steel products	1	1	1	2	5	13	20	21	14	14	8	86.45
Transportation equipment			1	2	5	14	23	28	11	10	6	83.12
Non-ferrous metal products		1	1	2	5	10	18	25	20	14	4	84.67
Electrical apparatus and supplies	1	1	1	4	7	15	23	19	12	11	6	81.53
Non-metallic mineral products	1	1	1	3	8	19	24	18	11	9	5	79.18
Products of petroleum and coal					1	3	10	18	20	34	14	99.39
Chemicals and allied products		1	1	2	6	14	21	22	14	14	5	83.86
Miscellaneous industries	2	2	5	11	15	19	17	12	7	7	3	69.86
All groups	1	1	3	6	9	14	20	18	11	11	6	79. 2
Female wage-earners:												
Foods and beverages	12	17	20	18	13	13	5	2				41.5
Tobacco and tobacco products		1	4	6	21	40	23	3	1	1		62.9
Rubber products	3	6	15	20	32	15	6	2	1			50.
Leather products	8	20	33	23	11	4	1					37. 2
Textiles except clothing	4	11	22	33	20	7	2	1				43.6
Clothing, including knitting mills	9	23	28	21	11	5	2	1		••	0.00	37.6
Wood products	5	11	22	22	14	9	14	2	1		-	46.7
Paper products	3	8	20	30	22	11	4	1	1			45.9
Printing, publishing and allied industries	7	12	23	26	19	7	3	1	1	1	••	43.5
Iron and steel products	2	5	13	18	20	19	11	8	3	1	••	56.2
Transportation equipment	1	4	11	13	17	18	30	4	1	1	-	58.
Non-ferrous metal products	4	16	26	23	16	11	3	1		**	-	42.
Electrical apparatus and supplies	2	3	14	21	21	23	10	4	1	1		55.
Non-metallic mineral products	3	7	12	17	32	18	9	2				52.
Products of petroleum and coal ¹												
Chemicals and allied products		8	17	36	22	10	3	1				46.
Miscellaneous industries	1	16	28	24	13	9	3	2	1			42.
All groups	7	16	23	22	15	10	5	2				43.

¹ Breakdown by class range not available.

⁻⁻ Number too small to be significant.

TABLE 44. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, and by Sex and Industrial Group, 1959 — Concluded

	Class range											
Group	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	Average weekly earnings
fale salaried employees:		1	ı	1	,	per cent	1	1				\$
Foods and beverages			1	4	7	10	13	14	12	18	21	102.10
Tobacco and tobacco products			1	3	4	7	9	16	12	18	30	122.90
Leather products			1	3	5	9	10	13	13	20	26	108.22
Textiles except clothing		1	3 2	6	8	12	16	16	10	12	16	93. 05
Clothing, including knitting mills	1			4	7	11	12	13	10	16	24	101.75
Wood products	1	2	4	6	9	10	12	10	8	15	23	96.55
Paper products			1	3	6	9	13	13	12	19	24	101.13
Printing, publishing and allied industries	1	2	1 4	2 5	3	5	7	10	10	18	44	130.55
Iron and steel products			1	2	6	8	9	9	9	17	30	105. 46
Transportation equipment				2	2	5	9	12	12	20	33	113.18
Non-ferrous metal products			1	2	3		8	10	12 11	25	36	118.06
Electrical apparatus and supplies				2	3	<u>4</u> 5	7	10	13	23	41	120.77
Non-metallic mineral products			1	3	5	8	10	12	13	24	36 27	115.31 107.75
Products of petroleum and coal		9.0		1	2	4	5	7	8	19	54	143.55
Chemicals and allied products				2	4	6	8	10	11	20	39	121.19
Miscellaneous industries		1	1	3	6	8	10	12	11	19	29	108.13
		-		3		0	10	12	11	13	23	100.13
All groups	••	1	1	3	5	7	9	11	11	20	32	112.78
emale salaried employees:												
Foods and beverages	1	3	11	25	27	19	8	4	1	1		53.41
Tobacco and tobacco products			4	11	21	24	29	8	2		1	67.06
Rubber products		2	9	27	31	20	7	2	1	1		54.12
Leather products	1	6	21	32	21	11	5	2	1			47.53
Textiles, except clothing	1	3	17	31	24	15	5	2	1	1		50.14
Clothing, including knitting mills	1	6	18	22	22	14	8	3	2	3	1	52.63
Wood products	1	4	14	29	26	14	6	3	2	1	60° 100	51.68
Paper products		1	5	20	29	24	12	5	3	1		59.72
Printing, publishing and allied industries	3	4	14	25	25	14	7	3	2	2	1	53.09
Iron and steel products	de 40	2	9	24	31	20	7	4	2	1		55.84
Transportation equipment		1	6	15	24	20	22	8	3	1		62.02
Non-ferrous metal products	1	3	8	21	27	21	11	5	1	2		56.05
Electrical apparatus and supplies	1	1	6	22	28	21	11	5	2	1	2	57. 96
Non-metallic mineral products	1	2	8	25	32	21	7	2	1	1		54.87
Products of petroleum and coal		1	4	11	31	23	13	8	3	5	1	65.62
Chemicals and allied products		1	5	21	32	22	10	5	3	1		58.82
Miscellaneous industries		3	9	24	33	20	7	2	1	1		53.48
All groups	1	3	10	23	27	19	10	4	2	1		55, 73

⁻⁻ Number too small to be significant.

Real Earnings of Employees in Recent Years. — When the index number representing the average yearly earnings of production workers is divided by the consumer price index, on the same base, a measure of "real" income is obtained. Index numbers for 1931 to 1959 are given in Table 45. In 1933,

the height of the depression, real earnings were 63.9 on the 1949 base. From then on they rose steadily and stood at 101.5 in 1944, an increase of about 59 p.c. In 1946 real earnings dropped to 94.6 and from then on continued to rise each year. In 1959 the index stood at 135.8.

TABLE 45. Average Yearly Earnings, and Index Numbers of Earnings, Consumer Price Index and Real Earnings of Production Workers in the Manufacturing Industries, 1931-59

					Index	numbers (1949	= 100)
	Year	Payments to production workers	Average number employed	Average yearly earnings	Average yearly earnings	Consumer price index	Real value of average yearly earnings
		\$	No.	\$			
		415 277 905	437,149	950	46.0	67.9	67.7
		415, 277, 895 322, 245, 926	381,783	844	40.8	61.7	66.1
		296, 929, 878	382,022	777	37.6	58.8	63.9
				830	40.2	59.6	67.4
		355,090,929	427,717 458,734	870	42.1	59.9	70,3
		399,012,697	, i	896	43.3	61.1	70.9
		438,873,377	489,942	965	46.7	63.0	74.1
	***************************************	525,743,562	544,624	956	46.3	63.7	72.7
	***************************************	498, 282, 208	521,427			63.2	74.7
		519,971,819	533,342	975	47.2	65.7	79.8
		679,273,104	626, 484	1,084	52.4	69.6	84.8
		978, 525, 782	802, 234	1,220	59.0		
	***************************************	1,347,934,049	974,904	1,383	66.9	72.9	91.8
1943		1,598,434,879	1,047,873	1,525	73.8	74.2	99.5
1944		1,611,555,776	1,030,324	1,564	75.7	74.6	101.5
1945	,	1,427,915,830	928,665	1,538	74.4	75.0	99.2
1946		1,329,811,478	877, 150	1,516	73.3	77.5	94.6
1947		1,611,232,166	940,650	1,713	82.9	84.8	97.8
1948		1,876,773,231	957,491	1,960	94.8	97.0	97.7
1949		1,963,462,720	949,656	2,067	100.0	100.0	100.0
1950		2,078,634,086	952,244	2, 183	105.6	102.9	102.6
1951		2,459,566,313	1,010,588	2,434	117.8	113.7	103.6
1952		2,713,714,909	1,025,355	2,647	128.1	116.5	110.0
1953		2,940,338,939	1,053,226	2,792	135.1	115.5	117.0
1954		2,821,586,476	989,030	2,853	138.0	116.2	118.8
1955		2,995,267,448	1,010,992	2,963	143.3	116.4	123.1
1956		3,298,666,205	1,051,723	3,136	151.7	118.1	128.5
1957		3,416,226,250	1,045,177	3,269	158.2	121.9	129.8
1958		3,333,171,979	981,735	3,395	164.2	125.1	131.3
1959		3,543,455,707	997,907	3,551	171.8	126.5	135.8

Percentage of Salaries and Wages to Net Value of Products.— Table 46 shows the relation between salaries and wages paid by manufacturers and the total net value of production or value added by manufacture. Figures of gross production are often used in such calculations, but the values out of which the wages of employees must come in the long run are the values added to the raw materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for payment of salaries and wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met.

The percentage of salaries or payments to office workers fluctuate more widely than payments to production workers and has steadily been increasing during the past decade from a low of 10.8 in 1948 to a high of 15.0 in 1958. There was only one year, viz. 1933, when the percentage was higher than 15.0. The high percentage of 15.1 in 1933 was due to the sharp decline in manufacturing production which was unaccompanied by a corresponding decline in office employment.

The increasing percentage of salaries to value added is due in part to the inclusion of professional and technical employees with salaried workers. With the rapid expansion in

manufacturing production during the past decade this type of employment has been increasing rapidly. There is also another factor in the relatively larger increase in office employees. As firms increase in size there is a tendency to perform more and more functions themselves, functions which in the case of smaller firms are performed by independent specialist firms outside the manufacturing field. For example, a firm when it gets larger might decide to do its own selling instead of selling through wholesalers. So without increasing the number of production workers, the office staff would automatically be increased, since now it will include a sales manager and additional clerks for the extra work involved. Other functions such as research, advertising, etc. are increasingly being done by a firm's own staff which tends to increase the number of administrative and office employees in manufacturing without a corresponding increase in the number of wage-earners or production workers.

Production workers on the other hand can be more readily adjusted to the fluctuations in manufacturing activity and wage levels likewise may be more readily adjusted to the price levels of products, so that the percentage of earnings of production workers to value added has a narrower range than that of office workers. In this case the percentage during the past decade ranged from a high of 36.8 in 1953 to a low of 34.0 in 1958. In contrast to the percentage of salaries paid to value added which has been increasing during the past decade, the percentage payments to production workers has been declining during the same period. There was an increase of 32.5 p.c. in the number of administrative and office employees as compared with an increase of only 4.8 p.c. for production workers during the period 1950-59. Of the increase in the manufacture since 1950 amounting to value added by \$4.378,904,652, \$2,301,806,271 or 52.6 p.c. was passed along in increased salaries and wages.

TABLE 46. Percentage of Salaries and Wages Paid to the Value Added by Manufacture Significant Years, 1917-59

1ABLE 40. Percentage of Salarie			ents to		Percentages	
	Value added by manufacture ¹	Administrative and office workers	Production workers	Office payments to value added	Production payments to value added	Total payments value added
		dollars			per cent	
1917	1, 281, 131, 980	85, 353, 667	412, 448, 177	6.7	32.2	38.9
1920	1,621,273,348	141,837,361	575,656,515	8.7	35.5	44.2
1921	1, 123, 694, 263	130,094,076	367, 305, 685	11.6	32.7	44.3
1926	1,305,168,549	142,353,900	483, 328, 342	10.9	37.0	47.9
1929	1,755,386,937	175,553,710	601, 737, 507	10.0	34.3	44.3
1933	919,671,181	139, 317, 946	296,929,878	15.1	32.3	47.4
1937	1,508,924,867	195, 983, 475	525,743,562	13.0	34.8	47.8
1939	1,531,051,901	217, 839, 334	519,971,819	14.2	34.0	48.2
1944	4,015,776,010	418,065,594	1,611,555,776	10.4	40.2	50,6
1945	3,564,315,899	417,857,619	1,427,915,830	11.7	40.1	51.8
1946	3, 467, 004, 980	410,875,776	1,329,811,478	11.8	38.4	50.2
1947	4, 292, 055, 802	474,693,800	1,611,232,166	11.0	37.6	48.6
1948	4, 938, 786, 981	532,594,959	1,876,773,231	10.8	38.0	48.8
1949	5, 330, 566, 434	628, 427, 937	1, 963, 462, 720	11.8	36.8	48.6
1950	5, 942, 058, 229	692,633,349	2, 078, 634, 086	11.6	35.0	46.6
1951	6, 940, 946, 783	816,714,604	2,459,566,313	11.8	35.4	47.2
1952	7,443,533,199	923, 905, 251	2,713,714,909	12.4	36.5	48.9
1953	7,993,069,351	1,016,679,409	2,940,338,939	12.7	36.8	49.5
1954	7, 902, 124, 137	1,075,101,215	2,821,586,476	13.6	35.7	49.3
1955	8, 753, 450, 496	1, 147, 142, 086	2,995,267,448	13.1	34.2	47.3
1956	9, 605, 424, 579	1, 272, 025, 985	3, 298, 666, 205	13.2	34.4	47.6
1957	9,822,084,726	1,403,401,749	3,416,226,250	14.3	34.8	49.1
1958	9,792,505,931	1,469,324,281	3, 333, 171, 979	15.0	34.0	49.0
1959	10, 320, 962, 881	1,529,617,999	3,543,455,707	14.9	34.3	49.2

¹ Equivalent to "Net value of products", see footnote 1, Table 1.

Subsection 6. Size of Manufacturing Establishments

The size of the manufacturing establishment is generally measured either by the value of product or by the number of employees, but each of these methods has its limitations. The latter takes no account of the differences in capital equipment at different times or in various industries and obviously the increased use of machinery, as in the flourmilling industry, may lead to an increase in production concurrently with a decrease in number of employees. The former measure has to be adjusted for changes in the price level and, as between industries, it makes those in which the cost of raw materials is relatively high appear to operate on a larger scale. Also in measuring size on the basis of employment, industries with a high capital investment in machinery and equipment are underrated as compared with industries lacking such equipment and consequently employing a relatively larger labour force.

Size as Measured by Gross Value of Products. - While in 1922 the 420 establishments each producing over \$1,000,000 had an aggregate value of products of \$1,268,056,129 or 51 p.c. of the total production of all manufacturing industries, the 719 establishments producing over \$1,000,000 each in 1929 had an aggregate value of products of \$2,516,064,954, or 62 p.c. of the grand total for all manufacturing establishments - a very significant change in the short period of eight years. In 1931, however, the number of plants with a production of over \$1,000,000 dropped again to 482, their output being valued at \$1,451,658,954, or 53 p.c. of the total. With the increased production resulting from war needs, the number of plants with a production of \$1,000,000 or over jumped to 1,376 in 1944 and their output was about 75 p.c. of the total value of manufactures. With the end of the war and the consequent decline in production of the huge war plants the number of establishments with a production of \$1,000,000 or over, although increasing to 1,442 in 1946, nevertheless saw a decline in the proportion of their output to 67 p.c. of the total. With increased prices and an expansion in the physical volume of production during 1947 to 1959, establishments with a production of \$1,000,000 or over increased to 3,394 while their contribution of the total output rose to 81 p.c.

47. Manufacturing Establishments, classified according to Gross Value of Products 1929, 1939, 1944 and 1959

TABLE 47. Manufacturing Establishments, classified according to 1999										
		1929¹	-		1939²					
Group of gross values	Estab- lishments	Total production	Average per estab- lishment	Estab- lishments	Total production	Average per estab- lishment				
	No. dollars			No.	dolla	rs				
Under \$25,000	14,024 2,802 2,209 1,638 1,519 636 601	106,735,470 99,529,725 156,308,744 237,532,492 504,218,217 443,597,677 1,217,866,089 1,298,198,865	7,611 35,521 70,760 140,718 331,941 697,481 2,026,400 11,001,685	15,623 2,803 2,215 1,584 1,285 689 520 81	120,903,054 99,558,383 156,410,769 225,582,130 390,626,844 466,441,130 1,991,293,399 923,724,311 3,474,540,560	7,739 35,519 70,614 142,413 303,990 676,983 2,098,642 11,404,004				
Totals and averages	23, 597	4, 063, 987, 279	172, 225	24, 800	3, 4 (4, 340, 300	110, 100				
		1944		1959³						
Under \$25,000	13, 942 4, 011 3, 442 2, 513 2, 256 943 1, 089 287	128, 782, 147 143, 023, 914 245, 273, 500 355, 235, 489 714, 546, 348 661, 670, 696 2, 294, 546, 053 4, 530, 614, 372 9, 073, 692, 519	9,237 35,658 71,259 141,359 316,731 701,666 2,107,021 15,786,113	11,967 4,795 4,874 4,382 4,459 2,322 2,624 770 36,193	118,491,742 172,972,326 350,262,824 626,769,497 1,424,683,038 1,645,987,369 5,594,574,528 13,377,860,157	9,902 36,073 71,864 143,033 319,507 708,866 2,132,079 17,373,844 644,091				

TABLE 48. Manufacturing Establishments classified according to Selling Value of Factory Shipments by Industrial Groups, 1959

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments		
	num	ber	dollars					
Canada: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 199,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 499,999 1,000,000 " 4,999,999 Head offices "	6,689 5,278 4,795 4,874 4,382 4,459 2,322 2,624 770	8,378 14,840 24,292 41,150 60,834 122,374 128,173 357,120 530,108 16,687	9,606,636 30,165,811 58,355,462 111,825,346 181,806,689 388,465,327 424,076,654 1,316,416,698 2,445,791,617 105,563,466	102,069,224 387,280,768	14,704,916 40,155,716 79,461,697 167,106,560 317,238,823 735,132,204 857,146,352 2,871,610,796 7,469,643,479	30,010,008 88,481,734 172,972,326 350,262,824 626,769,497 1,424,683,038 1,645,987,369 5,594,574,528 13,377,860,157		
Totals	36, 193	1, 303, 956	5, 073, 073, 706	568, 880, 162	12, 552, 200, 543	23, 311, 601, 481		

¹ Under this heading are included only those head offices which are not located at the plant.

Includes central electric stations and dyeing, cleaning and laundry establishments.
 Exclusive of Yukon and the Northwest Territories.
 The figures for 1959 are "Value of factory shipments" and not "production". They also include Newfoundland.

TABLE 48. Manufacturing Establishments classified according to Selling Value of Factory Shipments, by Industrial Groups, 1959 - Continued

by industrial Groups, 1959 - Continued											
	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments					
	num	ber		doll	ars	1					
Foods and beverages: Under \$10,000 to \$ 24,999 25,000 '' 49,999 50,000 '' 99,999 100,000 '' 199,999 200,000 '' 499,999 1,000,000 '' 499,999 1,000,000 '' 4,999,999 1,000,000 and over Head offices¹	752 1,175 1,253 1,362 1,271 1,088 505 583 176	1, 051 3, 107 5, 452 8, 306 11, 419 18, 520 19, 978 56, 057 66, 780 1, 422	1,313,255 5,695,527 10,815,558 19,906,892 29,660,727 53,649,599 61,616,271 193,358,859 278,359,051 8,163,417	230,627 851,257 1,482,314 2,926,128 4,745,924 7,598,403 7,609,545 20,502,965 21,914,811	1,754,252 10,470,192 26,115,193 61,632,560 120,999,667 221,385,860 223,578,259 748,652,593 1,553,091,712	3,884,467 20,204,260 45,286,001 99,462,540 181,361,202 336,649,816 358,062,579 1,243,077,727 2,385,900,689					
Totals	8, 165	192,092	662, 539, 156	67,861,974	2,967,680,288	4,673,889,281					
Tobacco and tobacco products: Under \$10,000 \$10,000 to \$99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 4,999,999 5,000,000 and over Head offices¹	4 4 4 3 5 5 15	8 83 47 76 294 714 9,059	10,555 341,262 123,551 173,648 741,478 1,980,541 34,691,428 15,755	346 11,041 15,725 4,248 29,209 63,785 778,377	5,888 124,655 449,557 431,615 2,876,437 5,490,312 203,392,214	17,708 245,446 619,164 643,612 4,047,811 12,144,555 306,845,365					
Totals	40	10,287	38,078,218	902, 731	212, 770, 678	324, 563, 661					
Rubber products: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 '' 49,999 50,000 '' 199,999 100,000 '' 199,999 200,000 '' 499,999 500,000 '' 499,999 5,000,000 '' 499,999 5,000,000 '' 499,999 Totals	3 9 5 4 9 15 10 15 19	3 25 21 25 124 483 557 3, 462 16, 393 21,093	2,900 71,800 51,584 87,030 415,085 1,670,549 1,677,748 11,575,234 71,307,107	3,000 1,618 4,502 17,211 106,389 124,658 858,830 4,303,909 5,420,412	45,970 103,900 98,610 713,931 1,988,380 3,510,653 16,469,051 137,465,371	4,296 139,884 196,323 272,547 1,500,071 5,647,500 6,807,898 39,764,258 293,347,503					
Leather products: Under \$10,000 \$10,000 to \$24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 and over	58 61 48 64 84 118 80 73	84 193 345 673 1,702 5,411 7,027 15,577 31,012	138,555 389,563 696,552 1,502,249 4,208,816 13,330,764 17,991,281 44,477,443 82,735,223	10,917 27,914 34,016 42,703 112,862 319,712 329,197 1,387,004 2,264,325	145,016 454,167 829,735 2,282,723 5,511,213 20,471,492 28,824,854 85,246,570	334, 236 1, 012, 032 1, 836, 748 4, 625, 613 11, 876, 948 40, 991, 348 55, 934, 321 154, 563, 759 271, 175, 005					
Textile products: Under \$10,000 \$10,000 to \$24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 500,000 " 499,999 500,000 " 999,999 1,000,000 " 4,999,999 5,000,000 and over Head offices	77 99 104 120 110 130 73 131	133 371 689 1,237 1,900 3,996 3,936 22,787 26,202 2,328	198, 501 710, 572 1, 600, 924 3, 230, 590 5, 005, 481 11, 822, 767 11, 767, 539 69, 682, 918 86, 184, 849 12, 699, 359	11,184 40,547 76,894 110,844 312,628 709,360 824,249 4,667,232 8,323,168	111,422 570,907 1,334,113 3,399,423 6,760,703 21,492,919 29,916,868 160,244,633 205,809,883	394,920 1,726,379 3,809,557 8,640,719 15,575,333 41,545,899 53,302,465 288,057,034 389,464,780					
Totals	879	63, 579	202, 903, 500	15,076,106	429,640,871	802, 517, 086					
Clothing: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 5000,000 " 999,999 1,000,000 " 4,999,999 5,000,000 and over Head offices*	105 180 280 401 406 552 278 153 4	210 770 2, 268 5, 311 8, 374 20, 011 20, 577 26, 129 3, 598 430	296,973 1,434,660 4,413,148 11,302,940 20,064,159 52,192,941 55,167,421 70,912,653 9,367,615 1,860,431	13,163 48,274 119,359 221,297 332,489 727,537 692,304 861,214 89,191	209,089 1,247,897 4,042,076 12,231,099 28,235,012 92,560,756 105,006,623 143,987,643 13,641,724	612,010 3,138,029 10,233,553 29,363,169 58,360,654 176,571,341 197,469,722 260,134,685 29,934,767					
Totals	2, 359	87,678	227, 512, 941	3, 104, 828	401, 131, 919	765,817,930					

¹ Under this heading are included only those head offices which are not located at the plant.

TABLE 48. Manufacturing Establishments classified according to Selling Value of Factory Shipments, by Industrial Groups, 1959 — Continued

by	indus triai	Groups, 1958	- Continued			
	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	iber		doll	ars	
Knitting mills: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 199,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 and over Head offices*	13 11 25 32 43 91 46 58	35 60 181 319 898 3,454 3,767 12,189	33,250 69,780 361,157 701,428 2,034,525 8,589,331 9,282,316 30,637,489 478,019	2,265 2,510 16,402 34,970 89,367 284,969 357,088 1,120,804	18,558 89,918 429,621 1,125,789 3,284,699 16,715,572 18,157,809 58,836,67	65,691 188,492 925,190 2,348,191 6,570,439 30,944,204 34,223,567 114,001,913
Totals	319	20,992	52, 187, 295	1,908,375	98, 658, 641	189, 267, 687
Wood products: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 499,999 5,000,000 " 4,999,999 1,000,000 and over Head offices "	3,574 1,742 1,232 1,100 786 734 364 257 19	4,637 4,697 5,907 9,138 11,407 21,359 19,844 33,923 11,847 1,032	3,944,148 8,064,790 12,628,664 22,281,671 31,848,105 66,000,288 66,874,731 122,882,609 46,934,971 6,401,750	426,983 689,288 1,047,260 1,764,007 2,499,037 4,302,635 3,710,289 5,437,062 1,642,930	8, 046, 293 14, 721, 515 22, 374, 821 39, 575, 372 58, 726, 853 125, 651, 551 139, 752, 973 262, 675, 684 89, 828, 863	14,931,202 28,373,698 44,062,241 77,494,050 112,579,327 235,237,483 254,455,529 486,377,050 171,625,215
Totals	9,808	123, 791	387, 861, 727	21, 519, 491	761, 353, 905	1, 425, 135, 795
Paper products: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 500,000 " 999,999 1,000,000 " 499,999 5,000,000 " 4,999,999 1,000,000 " 4,999,999 Head offices"	9 16 23 39 60 103 63 149 97	14 49 94 345 967 2,739 3,236 20,678 63,143 2,966	22,206 101,464 265,157 927,996 2,553,381 8,530,647 10,746,695 79,367,627 304,526,525 23,322,808	1,332 8,316 7,809 43,795 109,281 608,739 1,075,841 9,490,806 102,205,565	11,989 120,609 375,553 1,363,659 4,054,601 16,503,773 23,668,377 209,573,203 679,657,349	49,197 267,179 843,757 2,765,617 8,626,024 32,084,660 44,859,915 377,470,068 1,560,332,751
Totals	559	94, 231	430, 364, 506	113,551,484	935, 329, 113	2,027,299,168
Printing publishing and allied industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 499,999 1,000,000 and over Head offices"	851 747 591	908 2,114 3,631 5,296 6,220 9,582 8,776 18,401 18,944	1,306,123 5,172,608 10,775,516 17,763,726 23,701,796 37,663,224 35,633,286 82,439,886 82,439,886 93,379,011	72, 229 213, 218 313, 664 412, 441 515, 226 767, 749 783, 508 1, 525, 927 1, 374, 360	2,808,344 5,880,324 9,783,728 14,153,402 18,736,158 30,920,267 26,586,194 67,709,911 90,726,706	4,866,114 14,223,577 26,602,426 41,644,218 56,181,158 93,260,726 87,103,264 218,026,147 281,724,038
Totals	4, 359	73,926	308, 264, 193	5,978,322	267, 305, 034	823, 631, 668
Iron and steel products: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 99,999 100,000 " 199,999 200,000 " 499,999 1,000,000 " 499,999 5,000,000 " 499,999 1,000,000 and over Head offices "	468 484 507	58,560	624,737 3,054,650 6,519,974 14,590,769 27,550,572 59,241,654 61,181,541 245,047,183 441,177,158 2,457,449	227,567 340,930 719,539 1,320,606 2,693,032 2,586,321 13,576,240 44,521,211	422,007 2,202,696 5,013,789 11,449,596 26,004,589 69,628,973 93,146,992 411,196,767 867,256,449	1,300,785 6,844,883 14,847,498 33,252,233 68,531,001 163,734,131 195,556,347 864,768,662 1,728,792,664
Totals	3, 246	192, 969	861,445,687	66, 045; 022	1, 486, 321, 858	3,077,628,204
Transportation equipment: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 1,000,000 " 499,999 5,000,000 " 499,999 1,000,000 " 499,999 5,000,000 " 499,999 Head offices	96 63 66 78 75 53 95	300 327 606 1,340 2,382 3,498 18,361	178,626 719,428 940,963 1,911,427 4,636,479 9,048,276 14,266,195 76,119,949 421,342,552 2,423,692	41,788 61,217 97,474 224,304 393,062 483,434 0 2,811,231 16,060,337	135,971 573,769 898,419 2,011,193 4,471,950 10,895,346 15,988,985 100,644,575 984,662,379	23,695,049 38,865,661 227,092,381
Totals		113,606	531, 587, 587	20, 183, 207	1, 120, 282, 587	2,022, 195, 705

¹ Under this heading are included only those head offices which are not located at the plant.

TABLE 48. Manufacturing Establishments classified according to Selling Value of Factory Shipments, by Industrial Groups, 1959 — Concluded

by industrial Groups, 1959 - Concluded										
	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments				
	num	ber		doll	ars					
Non-ferrous metal products: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 4,999,99 1,000,000 " 4,999,999 1,000,000 and over Head offices* Totals	40 75 73 71 99 82 43 59 38	49 228 400 596 1,361 2,616 2,243 8,206 35,492 834	107, 735 494, 796 1, 177, 373 1, 966, 273 4, 621, 703 8, 883, 099 8, 366, 383 33, 899, 130 172, 038, 140 5, 173, 385	8, 085 27, 513 60, 520 88, 357 237, 466 403, 681 454, 859 3, 626, 761 64, 110, 154	52,812 452,985 1,115,528 2,437,025 6,448,679 12,230,901 13,975,180 79,090,042 960,237,852	208, 939 1, 249, 987 2, 665, 721 5, 461, 878 14, 118, 295 26, 292, 577 29, 498, 607 138, 372, 643 1, 522, 584, 406				
104015	580	52,025	236, 727, 972	69,017,396	1,076,051,004	1,740,453,053				
Electrical apparatus and supplies: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 199,999 100,000 " 199,999 200,000 " 499,999 500,000 " 499,999 1,000,000 " 4,999,999 1,000,000 " 4,999,999 1,000,000 " 4,999,999 Head offices¹	13 16 35 48 50 93 67 123 51	31 38 143 481 736 2,774 4,137 19,637 45,464	52, 280 112, 015 422, 709 1, 524, 603 2, 510, 196 9, 519, 286 13, 411, 210 77, 040, 278 209, 196, 093 3, 068, 416	2,369 3,415 19,114 80,879 80,723 347,202 406,897 2,681,519 6,555,037	33,729 142,860 616,905 1,598,724 2,888,300 15,298,070 23,262,386 136,026,216 321,932,488	80,714 280,302 1,289,864 3,479,440 6,779,322 32,326,781 47,185,886 282,023,078 674,016,891				
Totals	496	73,883	316,857,086	10, 177, 155	501, 799, 678	1,047,462,278				
Non-metallic mineral products: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 199,999 100,000 " 499,999 500,000 " 999,999 1,000,000 " 4,999,999 5,000,000 " 4,999,999 Hoddonoon " 4,999,999 The deficient of the second of the	166 100 120 33	284 601 747 1,540 2,410 4,451 4,531 13,666 14,221 898	400,834 1,272,951 1,918,712 4,542,429 8,039,013 16,404,825 17,843,487 60,210,840 62,954,051 5,066,656	57, 536 145, 505 266, 533 688, 566 1, 382, 659 3, 424, 243 4, 815, 821 19, 810, 161 21, 876, 959	300, 371 997, 544 1, 762, 022 4, 223, 451 9, 067, 363 19, 731, 106 29, 861, 786 81, 965, 620 93, 014, 081	887, 783 2, 941, 101 5, 079, 112 12, 764, 675 24, 368, 596 53, 603, 142 70, 570, 234 253, 343, 322 270, 679, 715				
Totals	1, 251	43, 349	178,653,798	52, 467, 983	240,923,344	694, 237, 680				
Products of petroleum and coal: Under \$25,000 \$ 25,000 to \$ 49,999 50,000 '' 99,999 100,000 '' 199,999 200,000 '' 499,999 500,000 '' 999,999 1,000,000 '' 4,999,999 5,000,000 and over Head offices¹	7 3 5 11 17 8 24 37	14 9 35 79 238 165 1,434 11,778 3,023	31,674 26,340 121,600 376,386 1,084,726 668,132 6,947,942 65,677,394 18,962,182	6,738 3,328 16,893 102,851 365,802 98,487 3,140,217 54,164,545	56,500 82,161 234,778 1,290,500 2,841,475 2,682,741 36,194,594 892,805,589	101,946 122,685 421,687 1,703,200 5,650,738 5,613,136 57,813,323 1,196,580,734				
Totals	112	16,775	93, 896, 376	57,898,861	936, 188, 338	1, 268, 007, 449				
Chemicals and allied products: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 999,999 1,000,000 " 999,999 1,000,000 " 999,999 1,000,000 " 999,999 1,000,000 " Head offices!	120 102 104 108 123 193 125 203 59	161 278 615 825 1,359 3,253 4,140 16,821 25,049 2,281	285, 970 627, 863 1, 748, 246 2, 408, 184 4, 322, 131 12, 622, 174 70, 874, 408 119, 899, 973 14, 226, 028	16,783 47,121 70,450 152,577 303,644 937,192 1,377,108 9,405,930 38,281,454	247, 095 683, 488 1,679, 200 3,695, 170 8,035, 319 22,746, 371 42,769, 223 211,040,476 330,469,440	629, 169 1, 731, 123 3, 847, 115 7, 915, 360 18, 142, 056 64, 951, 277 90, 871, 322 440, 942, 944 749, 180, 664				
Totals	1, 137	54,782	243, 217, 726	50, 592, 259	627, 365, 792	1, 378, 211, 030				
Miscellaneous manufacturing industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 199,999 200,000 " 499,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 4,999,999 5,000,000 and over Head offices¹	247 265 252 212 201 192 101 86 7	334 792 1,318 2,019 3,045 6,120 6,477 12,761 4,826 194	686,099 2,138,299 3,992,885 6,221,537 10,134,583 19,037,529 20,638,236 44,964,610 22,752,798 815,102	48,374 121,226 186,756 325,746 464,479 815,111 768,243 1,556,486 623,810	387, 248 1, 437, 957 2, 904, 933 5, 479, 911 11, 559, 749 27, 637, 777 33, 580, 012 71, 445, 697 30, 801, 913	1,368,761 4,521,616 9,128,339 15,398,447 28,598,305 60,852,754 71,559,105 160,857,802 80,143,392				
Totals	1,563	37,886	131, 381, 678	4,910,231	185, 235, 197	432, 428, 521				
			1							

¹ Under this heading are included only those head offices which are not located at the plant.

Size as Measured by Number of Employees. - In 1929, establishments employing 501 hands or over accounted for 27.3 p.c. of the number of employees engaged in manufacturing. The tendency then in evidence of increasing concentration into larger units was checked by the depression, the percentage dropping to 20.5 in 1933, (central electric stations included), but rising again to 25.6 in 1939. The same holds true for establishments employing 101 hands or over. In 1929 they employed 61.9 p.c., in 1933, 55.7 p.c. and in 1939, 61.5 p.c.

The effect of the War on the concentration of industries into large units is illustrated by the increase in the number of establishments employing 500 hands or over. In 1939 such establishments numbered 172 and employed 25.6 p.c. of the total number of employees engaged in manufacturing. By 1944 the number had increased to 383 and the percentage of total employees to 47.0. In a further subdivision of this group in 1944 it was found that 226 establishments employed between 500 and 999 persons, 56 between 1,000 and 1,499, and 101 employed over 1,500. Altogether there were 12 plants employing over 7,000 persons, the largest having an employment of a little over 13,000 with the next three largest employing between 9.000 and 10.000. Three other plants employed between 8,000 and 9,000 persons, while the lowest five plants in this group employed between 7,000 and 8,000 workers.

With the resumption of peace-time production the larger establishments declined in size, so that by 1959 only 52 establishments employed over 1.500 employees, as compared with 101 in 1944. In 1959 there were only seven establishments with 5,000 or more persons. Only two reported more than 10,000 employees, one reported between 9,000 and 10,000, one between 7,000 and 8,000 and the remaining three between 5,000 and

Employees	Establishments
1,500 to 2,999	34
3,000 to 3,999	7
4,000 to 4,999	4
5,000 to 5,999	1
6,000 and over	6
Total	52

TABLE 49. Manufacturing Establishments, classified by Number of Employees per Establishment, and by Provinces, 1959

Province	.Up to 499	500 to 799	800 to 999.	1,000 to 1,499	1,500 or over	Total
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories	795 178 1, 307 9909 11, 448 12, 903 1, 597 882 1, 817 3, 964 12	- 3 3 73 88 5 1 10 13 -	- 2 1 16 26 1 1 - 3 8 -	1 - 1 2 31 30 3 - - 3 -	1 - 16 29 1 1 4 - 52	797 178 1, 314 915 11, 584 13, 081 1, 607 883 1, 830 3, 992 12 36, 193

TABLE 50. Manufacturing Establishments classified by Number of Employees per Establishment, 1929, 1939, 1944 and 1959

		19 29 ¹		1939²		
Group	Estab- lishments	Employees	Average per establishment	Estab- lishments	Employees	Average per establishment
			num	ber		
Under 5 employees	12, 273 6, 160 2, 531 1, 262 745 444 182	30, 446 62, 310 81, 846 90, 238 103, 944 136, 397 189, 253	3. 5 10. 1 32. 3 71. 5 139. 5 307. 2 1,040. 0	13,002 6,985 2,330 1,158 695 458 172	28,020 68,151 75,324 81,646 97,063 139,687 168,168	2- 2 9- 8 32- 3 70- 5 139- 7 305- 0 977- 7
Totals and averages	23, 597	694, 434	29. 4	24, 800	658, 059	26. 5
	1944 1959³					
Under 5 employees	13, 208 7, 111 4, 615 1, 622 900 644 383	29, 958 58, 404 124, 408 113, 869 126, 192 196, 707 573, 344	2- 3 8- 2 27 0 70- 2 140- 2 305- 4 1,497- 0	14, 594 9, 728 6, 466 2, 250 1, 255 799 252 72 52 72 52	31, 710 80, 558 174, 506 156, 127 173, 220 241, 597 172, 659 89, 438 167, 454 18, 687	2. 2 8. 3 27. 0 69. 4 138. 0 30 2. 4 685. 2 1, 242. 2 3, 220. 3
Totals and averages	28, 483	1, 222, 882	42.9	36, 193	1, 303, 956	36.

¹ Includes central electric stations; dyeing, cleaning and laundry establishments. ² Exclusives of Yukon and the Northwest Territories. ³ Includes Newfoundland.

Under this heading are included only those head offices which are not located at the plant.

TABLE 51. Principal Statistics of Manufacturing Industries, by Industrial Groups, classified by Number of Employees per Establishment, 1959

per Establishment, 1959											
Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments					
	nur	mber		do	llars						
Canada: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500" 999 " 1,000 "1,499 " 1,500 and over Not classifiable Head offices 2	14,594 9,728 6,466 2,250 1,255 799 252 72 52 725	31,710 80,558 174,506 156,127 173,220 241,597 172,659 89,438 167,454	67, 692, 748 238, 788, 393 572, 795, 497 537, 565, 152 616, 770, 016 950, 042, 025 746, 414, 521 404, 896, 007 832, 543, 881 105, 563, 466	7,126,716 20,774,556 43,529,015 42,276,744 61,389,808 112,587,775 116,893,011 64,456,112 99,846,425	212, 240, 357 603, 443, 678 1, 352, 558, 553 1, 327, 860, 305 1, 591, 640, 158 2, 473, 947, 220 2, 017, 263, 478 1, 058, 496, 211 1, 910, 238, 484 4, 512, 099	348, 125, 833 1,074, 771, 949 2,501, 970, 451 2,479, 801, 967 2,958, 973, 165 4,627, 486, 233 3,725, 227, 892 1,915, 077, 908 3,674,602, 096 5,563, 987					
Totals	36, 193	1,303,956	5, 073, 073, 706	568, 880, 162	12, 552, 200, 543	23,311,601,481					
Foods and beverages: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 200 " 499 " 200 " 499 " 1,000 and over Head offices²	3,590 2,676 1,146 370 212 121 40 10	8,747 21,378 30,210 25,713 29,553 34,990 26,438 13,641 1,422	18, 579, 252 56, 872, 501 92, 328, 140 86, 151, 433 101, 495, 383 134, 121, 938 103, 502, 625 61, 324, 467 8, 163, 417	3,611,982 9,456,434 12,799,587 10,078,786 10,443,200 10,522,569 7,262,574 3,686,842	117, 943, 437 283, 266, 019 430, 666, 559 379, 521, 744 448, 404, 398 555, 220, 795 429, 545, 366 323, 111, 970	158, 570, 561 414, 861, 431 656, 695, 200 621, 942, 928 733, 365, 281 912, 731, 208 694, 687, 654 481, 035, 018					
Totals	8,165	192, 092	662, 539, 156	67, 861, 974	2,967,680,288	4,673,889,281					
Tobacco and tobacco products: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 and over Head offices 2 'Totals	4 6 7 5 4 8 6 	8 60 204 358 602 2,362 6,687 6	10,555 127,531 495,510 1,211,479 1,821,831 7,025,289 27,370,288 15,755 38,078,218	346 15, 573 20, 030 55, 256 106, 739 262, 534 440, 253 902, 731	5, 888 614, 755 1, 847, 597 2, 722, 246 25, 382, 487 88, 411, 009 93, 786, 696 —	17,708 793,388 3,340,414 4,014,402 30,230,146 110,751,879 175,415,724 324,563,661					
Rubber products: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 and over Totals	18 11 16 13 6 9 11 5	45 99 423 890 817 3,155 7,551 8,113	141, 814 414, 975 1, 430, 587 2, 858, 096 3, 015, 854 12, 240, 495 30, 009, 731 36, 747, 485 86, 859, 037	5,856 18,085 76,577 229,097 320,688 867,207 1,668,498 2,234,408 5,420,412	210,330 1,256,720 2,699,580 4,714,124 6,006,456 18,688,701 43,480,751 83,339,864 160,396,526	541,440 2,405,542 5,787,765 10,719,547 14,322,175 42,024,793 96,594,505 175,284,513					
Leather products: Under 5 employees	125 115 162 89 59 36	265 1, 048 4, 694 6, 377 8, 246 10, 382 31, 012	583,669 2,480,752 12,084,537 16,550,945 21,672,112 29,363,208 82,735,223	39,692 98,196 376,576 378,199 538,939 832,723 2,264,325	1,131,523 4,088,064 20,314,371 26,996,772 38,223,336 53,011,704 143,765,770	2,156,515 8,455,633 39,087,690 52,405,063 73,686,228 95,383,876 271,175,005					
Textile products: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 " 1,499 " 1,500 and over Head offices²	187 257 235 69 55 54 12 7	2, 181 6, 561 4, 867 7, 919 16, 946 7, 785 8, 408 6, 135 2, 328	1, 034, 947 5, 868, 426 18, 986, 476 14, 838, 643 24, 081, 747 52, 472, 338 24, 283, 984 27, 609, 930 21, 027, 550 12, 699, 359	55, 924 294, 949 1, 073, 569 1, 038, 886 1, 663, 504 3, 744, 574 1, 919, 157 2, 285, 359 3, 000, 174	2,080,323 10,037,014 49,003,230 37,971,988 70,468,772 102,340,688 47,425,369 47,425,369 47,331,542 33,981,955	4,039,320 20,673,015 85,536,909 67,508,290 114,233,965 200,212,340 90,045,406 142,530,791 77,737,05					

TABLE 51. Principal Statistics of Manufacturing Industries, by Industrial Groups, classified by Number of Employees per Establishment, 1959 — Continued

	per Establi	shment, 195	9 - Continued			
Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number dollars					
Clothing: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 and over Head offices ²	446 593 819 306 148 39 8	1,137 5,252 23,275 20,866 19,745 11,070 5,903 430	3,296,330 14,643,962 61,122,738 53,846,951 47,783,337 28,999,575 15,959,617 1,860,431	103,533 309,933 807,010 723,423 647,142 349,639 164,148	13,135,054 40,023,199 104,000,942 94,458,117 80,817,520 45,345,923 23,351,164	20, 148,079 66,963,396 202,825,277 180,132,121 157,703,595 91,316,760 46,728,702
Totals	2,359	87,678	227, 512, 941	3, 104, 828	401, 131, 919	765, 817, 930
Knitting mills: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 and over Head offices ²	31 66 105 56 37 24	76 596 3,145 3,904 5,161 8,021	156, 457 1,518,791 7,906,612 9,646,732 12,892,806 19,587,878 478,019	12,240 74,754 262,219 371,861 461,607 725,694	447,120 5,813,264 15,562,110 22,351,790 22,703,275 31,781,082	785,221 9,976,046 29,122,283 40,153,585 44,895,179 64,335,373
Totals	319	20, 992	52, 187, 295	1, 908, 375	98, 658, 641	189, 267, 687
Wood products: Under 5 employees	5,922 2,201 1,172 324 120 59 10	11,208 17,741 30,413 22,220 15,728 16,997 8,452 1,032	16,758,027 45,463,722 94,603,743 75,851,829 53,071,935 62,497,733 33,212,988 6,401,750	1,560,939 3,842,633 6,386,933 4,093,474 2,480,023 1,799,320 1,356,169	36,343,219 97,941,450 216,127,765 154,379,397 96,167,991 96,620,633 63,773,450	67,462,015 179,546,419 383,545,215 282,738,328 189,663,265 204,706,397 117,474,156
Totals	9, 808	123, 791	387, 861, 727	21, 519, 491	761, 353, 905	1, 425, 135, 795
Paper products: Under 5 employees 5 to 14 employees 15 " 49 "" 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 " 1,499 " 1,500 and over Head offices²	49 83 153 84 72 65 37 12 4	139 776 4,341 6,021 9,986 21,307 26,094 16,109 6,492 2,966	351,579 2,541,920 14,107,583 21,058,896 38,123,317 90,636,055 127,995,946 77,914,225 34,312,177 23,322,808	17, 474 132, 530 992, 763 2, 726, 162 4, 682, 754 22, 288, 136 43, 671, 974 30, 359, 121 8, 680, 570	1, 158, 212 6, 840, 641 34, 739, 279 65, 614, 768 105, 890, 141 223, 590, 328 292, 631, 289 150, 108, 873 54, 755, 582	1, 934, 918 12, 177, 154 64, 983, 932 117, 077, 342 188, 337, 813 457, 878, 826 675, 912, 669 357, 208, 825 151, 787, 689
Totals	559	94, 231	430, 364, 506	113, 551, 484	935, 329, 113	2,027,299,168
Printing publishing and allied industries: Under 5 employees. 5 to 14 employees. 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 and over. Not classifiable ¹ Head offices ²	1,701 1,143 523 138 76 38 8 7	3,766 9,418 13,286 9,869 10,239 12,251 5,614 9,429	10, 269, 168 32, 782, 709 52, 039, 934 39, 806, 405 43, 403, 433 53, 751, 356 25, 373, 512 50, 408, 659 429, 017	380,509 765,016 1,105,566 842,371 859,879 943,480 434,295 647,206	12,662,941 27,916,708 43,105,748 30,247,979 36,318,751 43,625,787 26,313,879 42,601,142 4,512,099	30,084,374 79,949,115 131,406,267 97,113,418 114,008,373 150,064,492 71,990,597 143,451,045 5,563,987
Totals	4, 359		308, 264, 193	5, 978, 322	267, 305, 034	823, 631, 668
Iron and steel products: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 500 " 499 " 500 " 999 " 1,000 "1,499 " 1,500 and over Head offices¹	799 955 852 280 169 138 35 9	1,952 8,387 23,140 19,412 23,159 42,012 24,078 11,249	5,806,373 29,724,536 90,732,793 80,553,019 97,212,435 184,147,696 113,556,493 52,815,930 204,438,963 2,457,449	418,301 1,502,518 4,192,165 3,911,165 5,799,150 9,990,349 5,899,630 3,858,590 30,473,154	7,565,558 34,540,181 139,182,683 132,669,249 191,055,114 314,131,973 186,293,394 114,752,034 366,131,645	18,706,152 85,034,583 297,965,031 283,241,275 372,992,461 651,401,972 373,128,016 219,236,862 775,921,852
Totals	3, 246	192,969	861, 445, 687	66, 045, 022	1, 486, 321, 858	3,077,628,204

TABLE 51. Principal Statistics of Manufacturing Industries, by Industrial Groups, classified by Number of Employees per Establishment, 1959 — Continued

per Establishment, 1959 — Continued										
Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments				
	nun	nber	dollars							
Transportation equipment: Under 5 employees 5 to 14 employees 15 "49" 50 "99 " 100 "199 " 200 "499 " 1000 "1,499 " 1,500 and over Head offices²	194 133 132 59 48 34 23 7 15	461 1,143 3,717 4,253 7,068 11,259 16,035 8,362 61,008	1, 264, 985 3, 794, 883 13, 564, 689 17, 837, 135 28, 645, 229 50, 265, 305 72, 161, 577 36, 343, 484 305, 286, 608 2, 423, 692	79,134 189,266 624,602 633,669 1,193,785 2,338,454 2,974,166 1,387,725 10,762,406	2,982,130 4,976,829 19,918,233 25,148,182 44,393,556 80,324,095 174,009,498 31,306,731 737,223,333	5,272,204 11,171,494 41,401,663 56,522,453 95,995,504 166,404,061 285,283,323 80,809,813 1,279,335,190				
Totals	645	113,606	531,587,587	20,183,207	1, 120, 282, 587	2,022,195,705				
Non-ferrous metal products: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 200 " 499 " 1,000 "1,499 " 1,500 and over Head offices²	154 176 126 53 24 25 11 3 8	367 1,505 3,423 3,584 3,405 7,679 7,153 3,475 20,600 834	1,021,040 5,198,224 12,382,948 13,548,582 13,510,653 32,673,206 33,422,339 17,058,757 102,738,838 5,173,385	68, 309 271, 586 796, 598 974, 636 2, 033, 735 7, 877, 051 14, 193, 678 6, 231, 842 36, 569, 961	2,359,109 9,648,652 42,451,308 54,241,571 71,202,858 149,858,920 194,066,207 186,015,796	4,483,082 18,541,691 66,173,793 80,242,212 101,436,137 224,864,321 316,821,764 220,821,871 707,068,182				
Totals	580	52,025	236, 727, 972	69,017,396	1,076,051,004	1,740,453,053				
Electrical apparatus and supplies: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 "1,499 " 1,500 and over Head offices²	56 90 137 76 53 53 19 7 5 -	136 817 3,948 5,276 7,811 16,527 13,361 8,656 16,909 442 73,883	386, 343 2, 967, 596 14, 224, 381 18, 786, 605 30, 031, 605 65, 934, 596 58, 711, 984 39, 540, 543 83, 205, 017 3, 068, 416 316, 857, 086	18, 411 128, 019 594, 859 696, 013 999, 112 2, 435, 515 2, 294, 650 1, 123, 179 1, 887, 397	855,532 6,003,895 33,151,459 44,468,338 49,836,674 138,400,088 96,121,686 50,717,601 82,244,405	1,598,670 11,945,794 61,881,716 83,719,772 109,243,439 264,529,088 194,004,082 106,267,652 214,272,065				
Non-metallic mineral products: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 and over Head offices²	374 412 276 90 58 30 11	866 3,390 7,124 5,977 8,081 8,524 8,489 898	1, 974, 224 10, 673, 572 27, 137, 630 23, 711, 385 36, 121, 216 38, 623, 016 35, 346, 099 5, 066, 656 178, 653, 798	316, 292 2, 015, 102 7, 664, 458 6, 609, 518 11, 947, 292 14, 980, 685 8, 934, 636 52, 467, 983	3,416,066 19,955,989 43,901,529 32,781,145 49,608,491 50,644,100 40,616,024 240,923,344	8,299,314 45,239,985 115,864,159 90,999,923 161,016,027 158,186,668 114,631,604 694,237,680				
Products of petroleum and coal: Under 5 employees	19 20 23 15 13 16 6	50 161 671 1,083 1,866 4,927 4,994 3,023	183, 032 650, 749 3, 219, 067 5, 416, 123 9, 886, 285 27, 019, 269 28, 559, 669 18, 962, 182	75,093 137,548 1,130,226 3,312,637 6,689,168 23,333,892 23,220,297	1,189,527 3,363,870 15,338,578 56,442,920 107,615,189 372,746,582 379,491,675	1,901,340 5,716,467 28,905,549 81,688,989 149,671,412 527,110,114 473,013,578				
Totals	112	16, 775	93,896,376	57, 898, 861	936, 188, 338	1,268,007,449				
Chemicals and allied products: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 and over Head offices"	320 318 273 121 54 32 16	691 2,696 7,490 8,428 7,581 9,641 11,401 4,573 2,281	1, 949, 026 10, 135, 839 29, 238, 381 34, 339, 413 33, 068, 886 43, 913, 276 53, 389, 614 22, 957, 263 14, 226, 028	131, 936 856, 524 3, 385, 021 4, 786, 792 9, 862, 560 8, 743, 633 14, 126, 287 8, 699, 506	4,958,562 32,110,678 96,431,159 124,830,460 90,571,231 129,446,783 33,086,955	11,662,971 63,609,476 192,107,161 249,033,973 237,742,978 247,117,163 292,796,885 84,140,423				
Totals	1,137	54, 782	243, 217, 726	50,592,259	627, 365, 792	1,378,211,030				

TABLE 51. Principal Statistics of Manufacturing Industries, by Industrial Groups, classified by Number of Employees per Establishment, 1959 - Concluded

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	ber		dol	lars	
Miscellaneous manufacturing industries: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 and over Head offices3	605 473 309 102 47 22 5 —	1,347 3,910 8,441 7,029 6,253 6,249 4,463 194	3,925,927 12,927,705 27,189,748 21,551,481 20,931,952 22,939,967 21,099,796 815,102	230, 745 665, 890 1, 240, 256 814, 789 658, 535 788, 406 511, 610 4, 910, 231	3,795,826 15,045,750 44,116,423 38,299,505 31,615,158 28,013,873 24,348,662 ———————————————————————————————————	10, 461, 949 37, 711, 320 95, 340, 427 80, 548, 346 70, 429, 187 77, 874, 492 60, 062, 800 432, 428, 521

Size of Establishment in Leading Industries. - Table 52 summarizes the degree of concentration in some of the leading industries of Canada. Concentration is extremely marked in the case of motor vehicles, non-ferrous metal smelting and refining, railway rolling-stock, cotton yarn and cloth, primary iron and steel, pulp and paper, and heavy electrical machinery; whereas in the case of women's factory clothing, miscellaneous food preparations, furniture, butter and cheese, bread and other bakery products, fruit and vegetable preparations, sawmills and men's factory clothing, the degree of concentration is low. This concentration is analysed in detail for each of the twentyfive leading industries in the table following.

TABLE 52. Percentage Importance of Establishments, each Employing 200 or more Persons in the Twenty-five Leading Industries, 1959

No.	Industry	Number of such establishments	Percentage of total number in the industry	Percentage of total shipments in the industry
140.				
	Pulp and paper mills	82	64.6	95. 0
1	Non-ferrous metal smelting and refining	21	87.5	97.6
2	Petroleum refining products	18	26.1	79.9
3	Slaughtering and meat packing	36	20.0	78.8
4	Motor vehicles	9	56.3	98. 9
5		17	34.7	93.5
6	Primary iron and steel	24	0.4	25.8
7	Sawmills	20	1.7	22.6
8	Butter and cheese factories	27	14.9	73.2
9	Electrical apparatus miscellaneous		3.9	44.1
10	Sheet metal products	19		29.9
11	Food preparations, miscellaneous	7	2.3	33.4
12	Bakeries	28	1.1	
13	Printing and publishing	29	3.9	68.3
14	Rubber goods	25	28.1	90.3
15	Machinery, industrial	32	8.6	52.3
16	Furniture	21	1.1	18.5
17	Aircraft and parts	19	24.4	91.7
18	Motor vehicle parts	19	9.0	66.8
19	Boxes and bags, paper	20	8.8	41.6
20	Acids, alkalies and salts	14	24.6	64.1
21	Fruit and vegetable preparations		2.4	36.7
22	Printing and bookbinding	14	0.8	25. 1
23	Railway rolling stock		62.1	94.8
24	Stock poultry feeds, prepared		-	
25			0.8	47.2

Consists of the industry "Publishing (only) of Periodicals".
 Under this heading are included only those head offices that are not located at the plant.

Subsection 7. Fuel and Power Consumption

Cost of Fuel and Electricity.— Fuel is used quite generally throughout the industrial field for the generation of power by means of steam and internal combustion engines. It is also used for the heating of plants, and for providing the heat necessary to some manufacturing processes. The most important industries where heat is applied to the materials to facilitate or accomplish the desired transformation are foundries and machine shops, brick, tile, lime, and cement-making, petroleum refining, the glass industry, distilleries, food preparation, rubber goods, etc. Fuel used for such heating purposes, as well as for power, is included in the figures of Table 53. In addition to the electricity used for ordinary power purposes, the figures include also the electricity used for heating boilers in the pulp and paper industry. Consumption of surplus energy in electric boilers increased rapidly during the years preceding the Second World War.

The figures of the table do not include coke charged to iron-blast furnaces or foundry cupolas. Neither do they include fuels that constitute the raw materials to be transformed, as coal in the coke and gas industries and crude petroleum in the refining industry.

The value of purchased fuel consumed increased 500 p.c. from 1939 to 1959. Part of the increase was due to an increase in the quantity used and part to the rise in the unit cost of fuels of all kinds. The cost of electricity purchased, on the other hand, has increased during the same period by 348 p.c. The groups of industries in which fuel was most extensively used in 1959 were: paper products, products of petroleum and coal, foods and beverages, iron and steel products, nonmetallic mineral products, non-ferrous metal products and chemicals and allied products.

Of the total cost of purchased fuel and electricity for Canada as a whole in 1959, 60 p.c. was for fuel and 40 for electricity. Percentagewise, Nova Scotia with 79,4 p.c. of the Provincial total was the largest user of fuel, while Quebec with 49.3 p.c. was the smallest. Provinces lacking in water power resources naturally have to rely on fuel for power, and for this reason the percentage that fuel is to the total is much higher than in Provinces such as Quebec where there is an abundant supply of water for Power purposes. In the Provinces of Prince Edward Island, Nova Scotia, New Brunswick, Saskatchewan, and Alberta, primary power produced from fuels is an important factor in power utilization.

Power Consumption. — Power consumed by the manufacturing industries, purchased power as well as power generated for own use, totalled 54.6 billion kwh. in 1959, an increase of 181 p.c. as compared with 1939. Of the total consumed Quebec used 48.9 p.c., Ontario 27.5 p.c., British Columbia 14.9 p.c., New Brunswick 1.8 p.c. and Newfoundland, Alberta and Manitoba 1.7 p.c. each.

The paper products group with 35.8 p.c. of the total was the largest user of electric power in 1959, displacing the nonferrous metal products group which held the premier position in the past. The paper products group is also the largest user of purchased fuel and electricity. The non-ferrous metal products group was the second largest user of electric power in 1959 with 29.4 p.c., of the total, followed by chemicals and allied products with 11.0 p.c., iron and steel products 6.3 p.c., nonmetallic mineral products 4.4 p.c., foods and beverages 3.3 p.c. etc.

Table 53 gives details of purchased fuel and electricity as well as the kwh. consumption by industrial groups and provinces. Tables 54 and 55 give details of power equipment and Tables 56 and 57 details of fuel consumption for selected years from 1926 to 1959.

Power Equipment. — Power equipment installed in manufacturing establishments is a very good barometer of the industrial development of Canada, inasmuch as production is increasingly dependent on power equipment. Increases and decreases in productive capacity, measured in horse-power, are not the result of temporary fluctuations in cost and values in the same manner as capital investments, values of products, etc. Of course, power equipment installed is not a measure of

the actual utilization of power for there is generally an excess over actual requirements, i.e., over power equipment in operation. Producers must have an installed operating margin in excess of normal requirements to provide for booming business conditions or breakdown of part of the plant. In times of depression this margin increases, During short periods of expanded production, the number of horse-power per wage-earner tends to decrease in view of the fact power equipment is not immediately increased, the expanded production being secured through overtime work or an increase in the number of shifts worked.

Of the total increase in power equipment employed in manufacturing industries between 1939 and 1953, 75 p.c. was in electric motors operated by power purchased from central electric stations. However, some sections of Canada are not well provided with water power and in such sections primary power derived from steam engines or turbines, and internal combustion engines — which include all gasoline engines, gas engines (natural, coal, and producer gas), and compressionignition engines - also has increased rapidly during the period covered. During the period 1939-1953 there was an increase of 31 p.c. in the capacity of hydraulic turbines and water wheels. 56 p.c. in the capacity of steam engines and steam turbines, 115 p.c. in the capacity of electric motors, while internal combustion engines increased more than fivefold. The collection of statistics on power equipment was discontinued in 1949, but was collected again for 1953.

Another survey on power equipment was made for the year 1958. This survey was based on the recommendations of the Statistical Commission of the Economic and Social Council of the United Nations. In accordance with these recommendations the classification of the equipment was as follows:

Type of equipment	Driving generators	Not driving generators
	h.	p.
A. Prime movers:		ł.
1. Steam engines		
2. Steam turbines		
3. Diesel engines		
4. Gasoline, gas and oil engines, other than diesel engines		
5. Hydraulic turbines or water wheels		
Totals		
B. Electric motors (one quarter horse- power and over)		

Electric motors plus prime movers not driving generators is taken as the total available power equipment.

Prior to 1958 the classification of the power equipment was as follows:

h.p.

A. Primary equipment:

Steam engines and turbines Internal combustion engines

Internal combustion engines
Hydraulic turbines and water wheels

Total primary equipment

B. Electric motors:

Operated by purchased power Operated by power generated by the reporting establishment

In this case the total of the primary equipment plus electric motors operated by purchased power was taken as the available power equipment.

As far as total available equipment these two systems of classification give fairly comparable results. No historical comparisons, however, can be made for the various types of equipment in use, since in this case the basis of classification is different. For manufacturing as a whole the total power equipment in use as at the end of 1958 totalled 12,046,697 h.p. as compared with 10,397,703 h.p. in 1953. Available equipment per production worker rose from 9.87 to 12.27 during this period.

TABLE 53. Value of Fuel and Electricity Used by the Manufacturing Industries of Canada, 1939-58 with Details by Provinces and Industrial Groups, 1959

Note: Includes fuel and electricity used in smelters for metallurgical purposes

Note: Includes fue	l and electricity	used in smelters	for metallurgic	al purposes				
	Value of	Value of		Consum	ption of electric	power		
Year, province and group	purchased fuel	purchased electricity	Total	Purchased	Generated for own use	Total		
		dollars		M kwh.				
	57 069 191	50,509,121	107,572,252	17,072,764	2,357,669	19,430,433		
1939	57,063,131 78,550,913	58, 429, 262	136, 980, 175	17, 954, 995	2,640,918	20, 595, 913		
1940	102,886,816	71,754,501	174,641,317	20, 289, 238	2,840,841	23,130,079		
1941	121,512,643	85, 205, 846	206,718,489	23,650,840	3,345,443	26,996,283		
1943	134,004,345	91,950,030	225, 954, 375	26,399,730	3,211,610	29,611,340		
1944	137,883,770	87,699,383	225, 583, 153	25,777,238	2,752,124	28,529,362		
1945	128,384,255	83, 999, 865	212,384,120	23,986,993	2,362,260	26,349,253		
1946	127,179,620	83,273,105	210, 452, 725	25, 250, 876	2,714,261	27,965,137		
1947	163,813,503	90,876,176	254,689,679	26,728,239	3,467,535	30, 195, 774		
1948	209,063,839	94,475,355	303,539,194	24,907,413	4,590,676	29, 498, 089		
1949	208,776,571	97,019,231	305,795,802	25,067,855	5,898,390	30,966,245		
1950	229,993,079	106,940,541	336,933,620	27,482,129	6,266,050	33,748,179		
1951	252,573,952	124, 140, 044	376,713,996	31,243,249	6,369,094	37,612,343		
1952	257, 443, 536	135, 537, 806	392,981,342	32,418,626	6,450,729	38,869,355 41,127,578		
1953	259,212,493	152,576,328	411,788,821	34,226,135 36,362,316 ²	6,901,443 6,072,634 ²	42,434,950		
1954	265,242,482	159, 189, 746	424, 432, 228 457, 789, 470	38, 812, 010 ²		44, 813, 573		
1955	282,828,016	174,961,454	523, 940, 706	40, 251, 872	1 -1	46,841,335		
1956	333,304,628	190,636,078 199,827,871	555,311,788	41,694,7542	1	48,058,237		
1957	355,483,917 328,155,960	211, 163, 612	539,319,572	45,231,1412	1	51,855,311		
1958 ²	342,388,614	226,491,548	568, 880, 162	47, 915, 4262		54,640,430		
1909	012,000,011	110,101,010	,					
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia	3,423,094 197,301 10,735,354 9,787,093 84,114,997 168,897,232 8,218,126 5,798,755 11,290,927 23,512,401 141,868	2,870,910 124,205 2,615,000 3,514,004 87,828,839 82,906,807 4,848,333 3,225,795 5,548,232 22,518,652 9,450	6,294,004 321,506 13,350,354 13,301,097 171,943,836 251,804,039 13,066,459 9,024,550 16,839,159 46,031,053 151,318	624,687 4,983 367,773 502,732 24,635,070 12,681,310 860,546 479,401 624,990 6,031,447	312,779 111,182 438,857 1,758,288 1,902,514 5,341 2,812 226,843 1,965,196 1,192	937,466 4,983 478,955 941,589 26,393,358 14,583,824 865,887 482,213 851,833 7,996,643 1,679		
Yukon and Northwest Territories	326, 117, 148	216, 010, 227	542, 127, 375	46, 813, 426	6, 725, 004	53, 538, 430		
Medium establishments: Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories	67,864 43,547 155,533 195,548 2,241,702 2,818,821 182,446 175,548 286,538 1,786,377	52,089 12,276 96,795 96,359 1,658,288 1,649,082 145,990 75,711 161,690 588,134 1,106	119,953 55,823 252,328 291,907 3,899,90 4,467,903 328,436 251,259 448,228 2,374,511	4,800 1,300 9,200 9,200 159,900 158,600 14,000 7,400 15,700 56,800		4,800 1,300 9,200 9,200 159,900 158,600 14,000 7,400 15,700 56,800		
Canada	7, 961, 547	4,537,520	12, 499, 067	437,000	-	437, 000		
Small establishments:								
Smart establishments. Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories	81,754 54,324 261,104 258,634 2,163,340 3,462,088 356,747 237,912 332,982 1,102,265 8,412	24,008 23,281 175,525 161,909 1,713,724 2,376,172 266,937 120,929 341,071 725,704 4,898	105,762 77,605 436,629 420,543 3,877,064 5,838,260 623,684 358,841 674,053 1,827,969 13,310	2,700 2,700 19,900 17,900 192,200 266,700 29,900 13,300 37,900 81,100	-	2,700 2,700 19,900 17,900 192,200 266,700 29,900 13,300 37,900 81,100		
Canada	8, 309, 919	5, 943, 8014	14, 253, 720	665, 000		665,000		
C MILLION TO THE CONTROL OF THE CONT	0,300,010							

TABLE 53. Value of Fuel and Electricity Used by the Manufacturing Industries of Canada, 1939-58 with Details by Provinces and Industrial Groups, 1959 - Concluded

Voca moning and come	Value of	Value of		Consu	mption of electric	power
Year, province and group	purchased fuel	purchased electricity	Total	Purchased	Generated for own use	Total
		dollars			M kwh.	
Industrial groups, 1959						
Large establishments: Foods and beverages Tobacco and tobacco products Rubber products Leather products Textiles Knitting mills Clothing Wood products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	43,003,839 484,273 2,630,386 1,136,412 8,217,647 1,063,862 1,108,078 8,085,652 57,268,797 2,196,931 39,366,541 12,086,357 29,550,526 4,864,139 36,910,000 49,741,310 26,315,200 2,087,226	15, 474, 528 411, 253 2, 654, 886 785, 071 6, 090, 577 546, 850 1, 256, 144 7, 778, 469 55, 857, 625 2, 325, 769 23, 266, 308 7, 611, 132 38, 947, 286 4, 934, 143 14, 176, 654 8, 077, 468 23, 805, 665 2, 010, 399	58, 478, 367 895, 526 5, 285, 244 1, 921, 483 14, 308, 224 1, 610, 712 2, 364, 222 113, 126, 422 4, 522, 700 62, 632, 849 19, 697, 489 68, 497, 812 9, 788, 282 51, 086, 654 57, 818, 778 50, 120, 865 4, 937, 625	1,406,104 38,814 348,834 52,676 759,783 38,450 62,499 542,654 159,019 3,125,930 784,102 14,937,108 516,197 2,345,408 1,121,164 5,654,203	101,683 9,545 100 45,945 492 168,760 1,753,454 110,153 99,775 1,060,000 15,396 15,495 47,339 293,215 3,640	1,507,787 38,814 358,379 52,776 805,728 38,942 62,499 711,414 19,531,002 159,031 129,031 15,937 15,997,108 531,593 2,360,903 1,168,503 5,947,418 146,573
Totals	326, 117, 148	216,010,227	542, 127, 375	46, 813, 426	6, 725, 004	53, 538, 430
Medium establishments: Foods and beverages Tobacco and tobacco products Rubber products Leather products Textles Knitting mills Clothing Wood products Paper products Printing, publishing and allied industries Iron and steel products. Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products. Products of petroleum and coal Chemicals and allied products Miscellaneous industries Totals	2,792,744 67,929 112,058 311,510 127,057 214,295 2,522,654 158,432 243,066 503,262 12,430 17,919 71,900 238,355 7,961,547	1,196,380 54,779 135,919 196,120 106,975 327,650 1,109,517 132,564 379,833 402,210 11,455 24,566 242,926 29,071 187,555 4,537,520	3,989,124 122,708 247,977 507,630 234,032 541,945 3,632,171 290,996 622,899 905,472 23,885 42,485 42,485 41,062 100,971 425,910 12,499,067	108, 800 7, 200 9, 100 24, 500 7, 500 16, 300 77, 400 35, 100 26, 000 54, 100 1, 200 9, 400 40, 200 -6, 900 13, 300		108,800 7,200 9,100 24,500 7,500 16,300 77,400 26,000 1,200 9,400 40,200 6,900 13,300 437,000
Small establishments: Foods and beverages Tobacco and tobacco products Rubber products Leather products Textiles Knitting mills Clothing Wood products Praper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	3,150,378 2,882 7,003 46,863 155,110 34,488 77,875 1,313,075 73,468 344,747 1,388,712 263,707 306,298 203,076 394,193 32,033 235,589 187,161	2, 244, 105 4, 323 5, 457 48, 002 105, 142 29, 143 120, 786 710, 142 60, 598 487, 976 1, 117, 989 1, 176, 801 175, 797 176, 274 48, 050 134, 834 199, 535	5, 394, 483 7, 205 12, 460 94, 865 260, 252 63, 631 198, 661 2, 023, 199 134, 066 832, 723 2, 506, 701 461, 833 477, 099 378, 873 570, 467 80, 083 370, 423 386, 696	204, 000 400 700 3, 200 13, 100 2, 000 6, 000 49, 600 16, 000 33, 400 150, 300 20, 400 65, 400 18, 400 29, 200 6, 700 32, 000 14, 200		204, 000 400 700 3, 200 2, 000 6, 000 49, 600 150, 300 20, 400 65, 400 18, 400 29, 200 6, 700 32, 200 6, 700 32, 200 6, 700 32, 200 6, 700 32, 200 6, 700 32, 200
Totals	8, 309, 9194	5, 943, 8014	14, 253, 720	665,000	_	665, 000

¹ For 1958 small establishments were required to report only the value of purchased power, which the cost per kwh. consumed. Estimates were, therefore, made of the kwh. consumption of these establishments. These estimates are based on the cost per kwh. reported by the large establishments. The value of purchased electricity reported by small establishments was only about 2p.c. of the total for manufacturing as a whole. It was also assumed that no power for own use was generated by small establishments.

² Since 1954 electricity previously reported as "Generated for own use" in the Fertilizer Industry in British Columbia, has been treated as "Electricity purchased".

¹ In 1959 the medium-size establishments reported separately the cost of fuel and electricity while the small establishments did not supply any information at all. The total cost of fuel and electricity consumed by small establishments was, therefore, estimated on the basis of the 1958 figures reported by the small establishments, adjusted for changes in the selling value of factory shipments in 1959 as compared with 1958. The break-down of the total cost of fuel and electricity used by small establishments was then estimated on the basis of the proportions of fuel and electricity reported in 1958. Since medium-size and small establishments did not report kwh. consumption, estimates were made on the basis of unit costs reported by large establishments. A total was obtained by adding the group estimates. This calculated total was then apportioned provincially on the basis of the percentage of the total cost of fuel used by small and medium-size establishments. The figures given in Table 53 were calculated on this basis. No estimates were made of the various kinds of fuel used by small and medium-size establishments. The figures given in Table 56 and 57 for 1958 and 1959 refer only to large establishments which reported 95.2 p.c. of the estimated total for all establishments.

¹ Provincial figures do not add to the Canada total due to the method used

TABLE 54. Power Equipment Installed in the Manufacturing Industries of Canada, 1926-48, with Details by Provinces and Industrial Groups, 1953

		combustion engines	turbines and water wheels	Total	motors operated by purchased power	Total power equipment	operated by power generated by estab- lishments reporting	Total electric motors		
		horsepower								
	698,343	56, 068	603,618	1, 358, 029	1,764,348	3,122,377	391,708	2, 156, 056		
26	762,697	60,841	645,270	1,468,808	2,386,840	3,855,648	495, 921	2,882,761		
29	738, 297	76, 583	657,683	1, 472, 563	2, 662, 445	4, 135, 008	497,392	3, 159, 837		
933	834, 703	98, 233	649,557	1,582,493	3, 129, 790	4,712,283	602,955	3,732,745		
937	827, 801	121,997	731,390	1,681,188	3,364,099	5,045,287	694, 450	4,058,549		
944	1,013,615	288,312	729, 216	2,031,143	4, 437, 296	6, 468, 439	779, 717	5, 217, 013		
946	1,032,639	368, 458	732,859	2, 133, 956	4, 649, 993	6,783,949	820, 371	5, 470, 364		
	1,076,411	544,888	1, 150, 308	2,771,607	5,387,807	8, 159, 414	931,312	6,319,119		
948										
Provinces, 1953										
ewfoundland	16, 015	14, 468	235, 935	266, 418	15,557	281,975	225,504	241,061		
Prince Edward Island	651	3,323	632	4,606	3,034	7,640	_	3,034		
Iova Scotia	58,880	38,590	13,100	110,570	144,638	255, 208	82,711	227, 349		
ew Brunswick	96, 125	26,070	14,030	136, 225	186, 253	322, 478	88,556	274,809		
webec	233,411	111,508	253,880	598,799	2,887,658	3,486,457	173,419	3,061,077		
ontario	554, 856	168,009	316,958	1,039,823	3, 108, 826	4, 148, 649	423, 112	3,531,938		
fanitoba	10,675	14,907	28	25,610	207, 057	232, 667	6,219	213, 276		
askatchewan	17, 168	30, 355	-	47, 523	65, 845	113, 368	1,997	67,842		
Alberta	67, 015	94,608	-	161,623	176,037	337,660	23,620	199,657		
British Columbia	236, 959	238, 120	127, 065	602, 144	606,857	1, 209, 001	278, 403	885, 260		
Tukon and Northwest Territories	_	2,354	-	2,354	246	2,600	_	246		
Totals	1, 291, 755	742,312	961, 628	2, 995, 695	7, 402, 008	10,397,703	1, 303, 541	8, 705, 549		
Industrial groups, 1953				150 505	602 060	776 404	50,343	674, 212		
Foods and beverages		53,946	22, 074	152,535	623,869	776, 404	00,040	10,345		
Pobacco and tobacco products		375		841	10,345	142, 172	270	134, 722		
Rubber products			1,500	7,720	134, 452	43,780	370	42, 037		
Leather products			150	2, 113	41, 667 311, 147	364,371	16,932	328, 079		
Textiles (except clothing)			16,311	53, 224	60,587	65,775	204	60, 791		
Knitting mills			1,790	5, 188	25, 693	26, 571	_	25, 693		
Clothing, (textile and fur)			01 000	878	441, 268	1, 253, 183	94, 301	535, 569		
Wood products				811,915	2, 331, 436	3, 573, 085	926,613	3, 258, 049		
Paper products			872,557	1,241,649	78,320	79,982	-	78,320		
Printing, publishing and allied industries		1	000			1, 276, 056	72, 149	1, 121, 927		
Iron and steel products				226, 278	1, 049, 778 460, 305	595, 213	55, 633	515, 938		
Transportation equipment				134, 908	670, 914		6, 195	677, 109		
Non-ferrous metal products				20, 928			0,100	240, 343		
Electrical apparatus and supplies			1				5, 789			
Non-metallic mineral products							14, 260			
Products of petroleum and coal										
Chemicals and allied products Miscellaneous industries				114, 112	1					

¹ Includes "Steam engines" 365,992 hp. and "Steam turbines" 925,763 hp.

TABLE 55. Power Equipment Installed in the Manufacturing Industries of Canada, by Provinces and Industrial Groups, 1958

	by Pr	ovinces an	d Industria	d Groups,	1958		,	
		Prin	ne movers no	t driving gen	erators			
	Steam engines	Steam turbines	Diesel engines	Gasoline, gas and oil engines, other than diesel	Hydraulic turbines	Total prime movers	Electric motors	Total power equipment
Province			1	hors	epower			
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Canada	98 221 5,052 6,470 45,637 66,335 1,445 1,257 7,224 22,921 35	15 30 11, 995 4, 167 84, 452 195, 871 2, 337 14, 673 52, 275 2, 000 420, 085	5,752 1,762 11,429 9,268 43,559 68,300 10,994 6,717 22,630 113,593 1,983 295,987	6, 352 1, 015 18, 748 6, 919 40, 828 155, 647 17, 685 29, 917 61, 040 93, 776 530 432, 457	22,063 513 1,577 6,256 60,115 25,151 115 208 112 16,568	3,541 48,796 33,080 274,591 511,304 32,576 52,772 143,276 299,133 4,548	234, 263 3, 303 198, 866 210, 545 3, 520, 476 4, 424, 530 243, 444 101, 404 283, 708 1, 383, 629 4, 632	268,543 6,844 247,662 243,625 3,795,067 4,935,834 276,020 154,176 426,984 1,682,762 9,180
Industrial group							1	
Foods and beverages Tobacco and tobacco products Rubber products Leather products Textiles Knitting mills Clothing Wood products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	16, 433 240 1,895 123 1,754 269 10 59,873 10,354 4,340 6,011 397 67 2,913 14,531 36,550 931	9, 415 1,018 173 795 14 70 14,623 65,472 117,923 3,988 6,880 5,22 1,295 179,028 17,709 1,160	22, 887 350 110 145 - 220, 266 9, 430 8, 623 3, 228 1, 200 920 14, 804 8, 375 5, 629 20	23, 231 203 119 2, 368 3 166, 887 7, 877 5, 377 11, 214 633 97, 279 47, 037 38, 010 309	11,060 	83, 026 240 3, 931 525 5, 187 286 80 475, 329 196, 680 19, 204 19, 691 2, 142 216, 322 249, 721 98, 248 2, 420	741,460 20,229 147,812 44,047 292,191 23,275 264,411 3,928,249 108,113 1,498,043 1,498,043 1,498,043 214,759 244,759 468,811 333,268 585,952 61,110	824,486 20,469 151,743 44,572 287,378 23,561 1,019,740 4,126,929 108,133 1,660,888 596,691 1,012,484 216,901 585,133 582,989 684,200 63,530
		Prir	ne movers dri	ving generat	ors			
Drowings								
Province Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Canada	100 3,323 2,853 15,070 32,142 2,160 353 1,112 5,675	22,800 10 15,140 129,409 91,250 253,044 6,608 6,810 81,199 209,615 50 815,935	3,829 45 4,137 3,516 9,723 24,135 256 9,224 47,022 5,324 114,425	184 	65,400 7,665 20,500 107,810 322,233 ———————————————————————————————————	92,313 55 37,235 156,664 227,440 649,958 9,024 17,229 110,944 411,198 5,374 1,717,434		-
Industrial group							1	
Foods and beverages Tobacco and tobacco products Rubber products Leather products Textiles Knitting mills Clothing Wood products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	6,750 	38,057 5,112 500 18,380 	11, 118 	820 	5,977 400 150 9,765 826 	62,722 5,547 650 31,433 863 1 190,890 1,047,246 47,246 45,666 12,636 17,801 43,364 99,723 3,487		

TABLE 56. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-58 and by Provinces and Industrial Groups, 1959

				Coal				
	Year, province and group		Bituminous		Anthracite	Lignite	Coke	Gasoline
No.		Canadian	Imported	Sub- bituminous		Lightec		
140.					dollars	1		
1	19264	34, 500	, 291	2	2, 173, 178	533,928	4, 157, 935	692, 404
i	19294	15, 832, 290	21, 754, 377	2	1, 844, 736	707, 058	2, 332, 823	430, 258
2			10, 770, 107	2	1.033,154	522,626	1, 574, 426	254,510
3	19334	7, 571, 912		2		759, 600	5, 169, 524	799,060
4	1937 ⁵	15, 648, 467	16, 255, 262		1, 253, 376	-		1, 208, 131
5	1939	15, 744, 444	13, 386, 496	2	1, 151, 278	740,593	4,870,875	
6	1944	19, 785, 479	55, 667, 410	3	2, 231, 277	1,522,417	7, 909, 168	7, 278, 337
7	1946	17, 633, 047	48, 211, 575	425,020	1,812,744	1,442,277	6, 884, 833	8, 425, 418
8	1948	28, 160, 528	73, 315, 170	440,737	2,274,727	1,598,940	9,575,838	13,442,363
		34, 503, 085	68, 523, 205	615, 660	2, 629, 506	2, 241, 781	9,622,024	22, 892, 625
9	19536		65, 520, 769	755,330	2, 721, 907	2, 140, 733	12, 452, 676	35, 577, 464
10	19566	43, 191, 404		1, 085, 186	2,574,981	2, 622, 995	11,691,402	40, 279, 425
11	19576	41,506,544	67, 915, 652				10, 736, 182	36, 494, 821
12	1958 ^{6,8}	36, 950, 331	60, 092, 837	432,289	2,035,215	2, 561, 181	10, 730, 104	30, 232, 021
	Province						0.050	171 020
13	Newfoundland	51,804	-	_	6, 718		3,658 1,300	171,938 63,285
14	Prince Edward Island	18,006	-		3, 112	_	683, 290	991, 318
15	Nova Scotia	1, 603, 409 6, 148, 725			3, 050	-	8, 471	786, 817
16	New Brunswick	18, 608, 393	5, 298, 581	9, 295	1, 348, 115	6,816	752,000	8, 328, 824
17 18	Ontario	6,775,694	45, 385, 588	33, 243	884,004	537, 086	7, 894, 422	15,722,751
19	Manitoba	523,880	163,931	34,671	27, 689	1, 036, 139	290, 326	1,361,389
20	Saskatchewan	1,658,363	-	14,536	7	23, 935	161, 399 239, 897	1, 641, 374
21	Alberta	3,316	14, 306	154, 362 20, 728	5,832		1,383,349	2, 976, 151
22	British Columbia	1, 732, 044	14, 300	20, 120	-		_	3, 322
23		37, 123, 634	50, 862, 406	266, 835	2, 282, 010	1,603,976	11, 418, 112	32,689,208
24	Totals, 1959°	31, 123, 034	30, 302, 400	200,000	2,000,020			
	Industrial group							
25	Foods and beverages	1, 908, 452	5,835,651	148, 837		404, 724	156,775	15, 094, 434
26	Tobacco and tobacco products	6,961	118, 258		2, 106	_	99, 438	30, 545 101, 273
27		110, 273	1,712,622	1	18, 158	10,655	20, 100	76, 989
28		120,767	540, 990 1, 763, 100			229	20,445	327, 629
29		1,053,344			700	-	7	53, 620
30					17,614	1,211	-	362, 352
32		310, 231	1			48, 131	6, 412	
33				4	56,756	806, 612	2,546	945, 935 740, 648
34			1			1		1
35					241,249			
36					1,010,946	1		470, 814
37		1 .	1					
38				1	123,031	117, 573		
40		126, 369				4 004	3, 518, 250	1
4:	Chemicals and allied products		1)				
4:	Miscellaneous industries	63, 282	345, 54	6, 38'	7 49, 463	2, 123	0, 10	0.00,000

¹ Exclusive of the "Butter and cheese industry" in the province of Quebec in 1953.

² Included with "Other fuel".

³ Includes manufactured and natural.

⁴ For 1926, 1929 and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals in order to make the series comparable with current data.

⁵ Electricity purchased for metallurgical purposes in the Non-ferrous Metal Smelting and Refining is included for the first time.

⁶ Newfoundland included.

TABLE 56. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-58

	,		and by	Provinces as	nd Industrial	Groups, 195	9			
				Gas				Elect	ricity	
Steam purchased	Fuel oil	Wood	Liquified petroleum	Other manufactured	Natural	Other fuel	Total cost of fuel	Purchased ¹	Generated for sale ¹	No.
				do	llars			-		1
2	7, 102, 676	2, 533, 424	_	4, 182	2, 186 ³	804, 478	56,680,500	26, 235, 597		
2	7, 874, 831	2,604,803		5, 218, 678	905, 039	861, 048				1
2	4,566,630	1, 635, 716	_	4,097,925			60, 365, 941	37, 775, 877	904, 791	2
2	8, 580, 369	1, 636, 098			729, 385	766, 951	33,523,342	33, 092, 334	36, 393	3
2			_	6, 148, 643	1, 256, 276	2, 068, 361	59, 575, 036	50, 032, 810	288, 842	4
2	8, 560, 418	1, 562, 119		6, 506, 782	1, 385, 110	1, 946, 885	57, 063, 131	50, 509, 121	405, 690	5
-	21, 822, 975	2, 340, 460		13,779,303	3, 110, 803	2, 436, 141	137, 883, 770	87, 699, 383	1, 219, 086	6
2	23, 872, 464	2, 189, 271		12, 086, 381	1, 881, 984	2, 314, 606	127, 179, 620	83, 273, 105	1,589,447	7
2	50, 987, 211	1, 991, 384	_	20,507,352	2, 080, 617	4, 688, 972	209, 063, 839	94, 475, 355	887, 402	8
2	77, 034, 810	1, 368, 106	1,585,671	27, 642, 079	4, 671, 710	5, 882, 231	259, 212, 493	152, 576, 328	2,486,054	9
2	113, 467, 139	1, 083, 646	2,516,160	32,653,222	9, 675, 877	11,546,581	333, 304, 628	190, 636, 078	2,400,304	10
2	121, 970, 826	994, 740	2, 467, 645	37, 855, 107	13, 115, 005	11, 404, 409	355, 483, 917	199, 827, 871	2, 218, 022	11
8, 276, 110	107, 355, 107	942, 856	2,941,900	34, 052, 063	20, 374, 779	4, 910, 289	328, 155, 960	211, 163, 612	2, 534, 714	12
						2,020,000	020, 200, 500	221, 100, 012	2,001,111	12
12,791	3, 172, 579	_	3,606	_			3, 423, 094	2, 870, 910	21, 753	13
_	106, 136	3, 217	2, 245	-	_	_	197, 301	124, 205	-	14
102,012	3,440,094	14,374	47, 875	3, 841, 558		8, 217	10, 735, 354	2,615,000	11, 244	15
24, 927	2, 682, 382	99, 686	19,685	2, 267	720	10, 363	9, 787, 093	3,514,004	357, 557	16
2, 709, 187 6, 461, 108	38, 197, 821 41, 844, 465	337, 965 237, 453	2, 640, 325 2, 354, 196	4, 043, 545 20, 310, 604	1, 128, 565 18, 931, 785	705, 565 1, 524, 833	84, 114, 997 168, 897, 232	87, 828, 839	1, 043, 080	17
47,672	2, 781, 417	23, 888	23, 697	674, 094	1, 191, 571	37, 762	8, 218, 126	82, 906, 807 4, 848, 333	987, 488	18
45, 753	1, 180, 640	3, 847	110, 188	996, 856	956, 502	4,649	5, 798, 755	3, 225, 795	_	20
68,641	692, 972	335	175, 688	1,033,502	7, 270, 639	9,966	11, 290, 927	5,548,232	66,508	21
395,583	10, 728, 457	34, 799	244,536	2, 415, 128	2, 100, 228	1, 461, 260	23, 512, 401	22, 518, 652	143, 945	22
0.000.004	82,320			36, 889	19, 337	me	141, 868	9,450	7, 949	23
9, 867, 674	104, 909, 283	755, 564	5, 622, 041	33, 354, 443	31,599,347	3, 762, 615	326, 117, 148	216, 010, 227	2,639,524	24
677, 591 25, 044	12,980,528	233, 200	437,542	81,672	4,000,978	635,509	43, 003, 839	15, 474, 528	2, 630	25
153,825	299, 490 384, 681		3,198	5,691	1,357 59,357	_	484, 273 2, 630, 358	411, 253 2, 654, 886	_	26
7,928	277, 351	1,992	1,542	2,731	35, 816	41, 493	1, 136, 412	785,071	_	28
165, 645	4,384,538	_	96, 271	9, 426	254, 774	18,000	8, 217, 647	6,090,577	-	29
86, 051	362, 284	-	7	489	7, 730	-	1,063,862	546,850	-	30
103,471	416, 132	7	3, 300	4, 162	41, 190	5, 269	1, 108, 078	1, 256, 144	100 100	31
411, 114 1, 220, 545	2, 360, 259 18, 015, 155	116, 356 36, 057	90, 425 146, 189	2, 206 209, 033	218, 081 7, 436, 429	67,428 1,368,302	8, 085, 652 57, 268, 797	7, 778, 469 55, 857, 625	102, 133 2, 320, 828	32
70, 658	859, 435	-	33,588	13, 179	244, 539	59	2, 196, 931	2, 325, 769	_	34
585,857	17, 103, 437	20, 477	251,987	9, 862, 596	4,513,381	123, 118	39, 366, 541	23, 266, 308	-	35
195, 394	3, 156, 831	7, 510	204, 457	53,774	1,034,270	756, 743	12, 086, 357	7, 611, 132	-	36
67, 833	7, 161, 650	45, 378	140,026	96, 419	2, 298, 177	58, 920	29, 550, 526	38, 947, 286	196, 441	37
257, 802 473, 260	1, 815, 861 9, 210, 110	281,369	142, 616 330, 884	14, 925 186, 345	743, 214 5, 146, 801	222, 924 115, 139	4, 864, 139 36, 910, 000	4, 934, 143 14, 176, 654	3, 231	38
106, 796	19, 965, 019	201, 309	3,661,093	19, 867, 614	2, 161, 509	16, 641	49, 741, 310	8,077,468	7, 949	40
5, 238, 389	5, 456, 726	10,087	65, 315	2, 928, 862	3, 199, 203	326, 365	26, 315, 200	23, 805, 665	6, 312	41
20, 471	699, 796	2, 763	13,420	15, 319	202, 541	6,705	2, 087, 226	2, 010, 399	_	42

⁷ Included in the total.
8 The figures for 1958 include only establishments with selling values of factory shipments of \$100,000 or over. These establishments reported over 98 p.c. of the total value of fuel used by the manufacturing industries of Canada.
9 The figures for 1959 include only large establishments which for most industries refer to establishments with shipments of \$500,000 or over They do not include the small and medium-sized establishments which in 1959 contributed 4.9 p.c. to the total cost of fuel and electricity consumed. For details of the cost of fuel and electricity used by small and medium-sized establishments see Table 53.

TABLE 57. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-58 and by Provinces and Industrial Groups, 1959

			u muusuu	Coal				
	Year, province and group		Bituminous				Coke	Gasoline
No.		Canadian	Imported	Sub- bituminous	Anthracite	Lignite		
2101				short t	ons			Imp. gal.
		5,776,	719	2	283,678	146,098	475, 232	2,386,916
1	1926 ^s		3, 943, 007	2	255, 700	164, 544	380, 432	1,717,560
2	1929 ^s	2, 816, 122					1	1,079,807
3	19335	1, 499, 715	2,026,083	2	145,017	158, 437	288,811	
4	19376	2,907,671	2, 828, 519	2	173,993	265,440	657, 994	3, 665, 243
5	1939	2,893,613	2, 262, 378	2	167,465	238, 698	596,077	5,306,656
6	1944	2,538,345	7, 336, 983	2	228,795	421, 351	803, 179	24, 114, 057
7	1946	2, 208, 110	5, 794, 992	70,450	179, 139	394,689	691, 152	27, 537, 378
	1948	2, 869, 674	7, 468, 497	65, 449	194, 211	378,904	768, 240	39, 861, 137
8		3, 180, 027	6, 811, 887	77,382	195, 261	466,994	673, 896	64, 521, 694
9	19537	, ,		88, 956	203, 322	449,001	756,747	97, 915, 150
10	19567	3,818,961	6, 167, 119			535,711	659, 915	108, 361, 743
11	19577	3, 497, 154	6, 197, 815	105, 719	181,589			
12	19587,9	3, 084, 166	5, 457, 181	53, 130	144, 345	523,817	688,375	99, 653, 898
	Province						177	397, 423
13	Newfoundland	2, 482	_	_	195	_	175 34	166, 946
14	Prince Edward Island	1,026	_	_	150		62,997	2,409,769
15	Nova Scotia	128, 252 555, 586	_	_	129	_	334	1,952,951
16	New Brunswick	1,635,083	407, 168	631	99, 275	282	63,334	23,050,421
17 18	Ontario	622, 428	4, 228, 119	2, 937	70, 149	96, 252	463,352	45, 242, 976
19	Manitoba	40,249	9,323	4,056	2,000	239, 292	30,000	3,814,926
20	Saskatchewan	118,763	· -	1,552	*	3,380	25, 086 48, 573	1,682,086 4,849,927
21	Alberta	375	071	31,309	290	_	67, 151	9, 066, 357
22	British Columbia	135,820	971	1,004	200	_		18, 342
23	Yukon and Northwest Territories	0.040.004	A CAN NOT	42, 169	172, 353	339, 206	761, 036	92, 652, 124
24	Totals, 1959 ¹⁰	3, 240, 064	4, 645, 581	12, 103	112,000	000, 200	102,000	
	Industrial group							
25	Foods and beverages	155, 131	535, 134	2 9 , 988	30,379	72, 104	7,680	43, 342, 637
26	Tobacco and tobacco products	415	9,045		112	-	8	72, 130
27	Rubber products	8,575	162, 525		1 000	4 014	4,972	289,653 181,524
28	Leather products	9, 227	44, 075		1,099	1,811	2, 196	852, 644
29	Textiles	88, 205	153, 233 32, 166		8,301	10	2, 190	134, 158
30	Knitting mills Clothing	10,739 6,270	4, 883		1, 107	47	100	846, 847
31 32	Wood products	20, 473	33, 266	1		4,681	436	10, 613, 049
33	Paper products	1,503,734	910, 649	-	4,974	149,829	8	2,841,747
34	Printing, publishing and allied industries	4,850	9,846	· ·	1	270	141	2, 182, 678
35	Iron and steel products	114, 441	197, 389		19, 165	2,812 85,775	39,775 6,571	6, 605, 318 3, 975, 867
36	Transportation equipment	42, 629 419, 615	450, 070	1	77, 856			1, 313, 372
37	Non-ferrous metal products	13,071	94, 90	1			487	1, 100, 951
38 39							35,718	1
40		11, 488			1	-	365,589	
41	Chemicals and allied products	52, 938	1				1	
42	Miscellaneous industries	4, 589	29, 26	3 44	3,180	246	3,723	1, 561, 769

¹ Exclusive of the Butter and cheese industry in the province of Quebec in 1953.

² Not collected.

³ Includes manufactured and natural.

⁴ Value only, available.

⁵ For 1926, 1929 and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals already published in order to make the series comparable with current data.

⁵ Electricity purchased for metallurgical purposes in the Non-ferrous Metal Smelting and Refining is included for the first time.

TABLE 57. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-58 and by Provinces and Industrial Groups, 1959

			ind by 110v1	nces and Ind	ustrial Grou	ps, 1959			
				Gas			Electricity		
Steam purchased	Fuel oil	Wood	Liquified petroleum	Other manufactured	Natural	Purchased ¹	Generated for own use ¹	Generated for sale ¹	No.
pounds	Imp. gal.	cords	Imp. gal.	Mo	of.		kwh.		
2	110, 378, 654	722, 098	_	40.58	88, 854 ³	4	2	1	
3	150, 910, 662	655, 975		41,828,619	4, 558, 391	4			1
2	115, 926, 083	549, 712					1, 150, 974, 484	53, 593, 323	2
2	167, 824, 977			23, 119, 514	3, 118, 402	9, 771, 514, 859		2,108,460	3
,		504, 261	_	59, 952, 258	5,802,210	17, 092, 769, 974	2, 328, 675, 496	48, 534, 697	4
	195, 134, 885	475, 320	_	71,881,777	6, 112, 911	17, 072, 764, 222	2, 357, 668, 720	76, 571, 743	5
ž	349, 495, 395	408, 227	800	118,057,302	12, 598, 361	25, 777, 238, 678	2,752,124,500	127, 214, 139	6
2	376, 006, 524	348, 440		95, 490, 776	8,744,901	25, 250, 876, 449	2,714,261,524	166, 073, 767	7
2	482, 218, 705	309, 127	_	146, 548, 124	9, 962, 480	24, 907, 413, 154	4, 590, 676, 828	203,779,877	8
3	834, 641, 849	299, 468	9,840,533	73,441,492	21, 516, 353	34, 026, 135, 310	6, 901, 443, 188	349, 904, 956	9
2	1, 124, 521, 019	188,776	17, 554, 665	83, 837, 949	44, 356, 597	40, 251, 872, 170	6, 589, 462, 640	320, 859, 476	10
2	1, 138, 442, 219	158,977	16,068,119	89, 967, 026	49, 858, 493	41, 694, 754, 285	6, 363, 482, 563		
9,671,359,864	1,116,547,362	123, 282	25, 684, 770	89, 666, 286				337, 762, 658	11
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,110,011,002	120, 202	20,004,110	09,000,200	66,269,301	45, 231, 141, 030	6,624,170,330	466, 026, 793	12
7, 747, 540	38, 466, 528	-	7, 595		_	624, 687, 542	312, 779, 375	2,798,582	13
- 114 540 004	740, 235	257	4,570	-		4, 982, 729	-	ones.	14
114, 748, 284 26, 131, 000	45, 825, 975 31, 508, 379	1, 424 9, 724	490, 277 60, 402	10, 535, 721 2, 073		367,772,831	111, 181, 562	2,411,245	15
2, 604, 526, 240	482, 430, 602	50, 555	35, 488, 846	11, 974, 622	720 1,291,220	502, 731, 899 24, 635, 070, 286	438, 856, 874	68, 505, 420 185, 258, 560	16
6, 762, 160, 185	441, 038, 961	50,944	12, 675, 162	58, 417, 294	34, 890, 867	12, 681, 309, 892	1, 902, 514, 023	195, 956, 553	18
36, 868, 120	42, 762, 471	2,872	152,628	1,487,228	3, 186, 380	860, 546, 166	5, 340, 900	_	19
90, 075, 000	22, 543, 083	316	3,740,831	3, 426, 875	4,369,737	479, 401, 656	2,811,735		20
139, 830, 394 985, 190, 215	12, 706, 269 136, 845, 705	96	3, 576, 825	5, 172, 161	44, 604, 738	624, 989, 845	226,843,317	4, 457, 200	21
500, 150, 215 	1,676,344	3, 867	3, 337, 361	6, 224, 865 51, 336	6, 107, 146	6, 031, 446, 843 486, 800	1, 965, 196, 244	16, 151, 460 158, 586	22
10, 767, 276, 978	1, 256, 544, 552	120,055	59, 534, 497	97, 292, 175	94, 510, 873	46, 813, 426, 489	6, 725, 004, 265	475, 697, 606	24
							1		
381, 979, 452	125, 887, 007	48, 295	2,467,808	104,876	9,657,122	1, 406, 104, 513	101,682,963	37,472	25
16, 816, 164	3, 346, 954	8	410	-	1,568	38,813,958		-	26
121, 028, 820	3, 254, 187	-	12,303	16,089	42,064	348, 834, 498	9, 544, 700		27
4, 983, 760	2, 389, 834	493	5,606	2,815	52,307	52,675,611	100,000	****	28
138, 388, 251 43, 402, 774	52,842,315	-	503,464	8, 222	848,800	759, 783, 040	45, 945, 324	-	29
38, 501, 000	3, 379, 558 3, 039, 868	8	900	513 3,349	7, 723 51, 625	38, 449, 725 62, 498, 739	491, 962	_	30
1,051,334,757	12,657,870	15, 546	418, 955	2, 164	526, 619	542, 654, 395	168,760,447	9, 442, 135	32
1,428,081,237	249, 472, 191	3,377	563, 280	1, 238, 766	19,531,567	14, 777, 547, 971	4, 753, 453, 799	434, 801, 456	33
38, 141, 135	7, 283, 455	-	143,794	21,539	339,273	159, 018, 690	12,000	-	34
57, 919, 177	177, 139, 814	14, 791	1,144,030	32,778,632	6, 448, 820	3, 125, 930, 132	110, 153, 537	-	35
156, 574, 045 68, 400, 000	31, 180, 755 75, 674, 643	830 1,495	1, 128, 788 813, 110	54, 181 217, 150	1, 486, 317 7, 254, 743	784, 101, 701 14, 937, 108, 098	99, 774, 730	30, 665, 140	36 37
168, 500, 000	17, 387, 150	1,495	799, 779	13, 432	697, 701	516, 196, 610	15, 396, 600		38
66, 500, 000	100,627,340	32,921	2, 476, 162	743,871	16, 406, 453	2,345,408,315	15, 494, 644	229,200	39
215, 140, 000	325, 538, 160	-	48, 740, 267	55, 758, 822	14,743,495	1, 121, 164, 577	47, 339, 029	158,586	40
6,757,586,406	59, 651, 195	1,903	251,166	6, 151, 033	16,090,326	5, 654, 202, 882	293, 215, 056	363,617	41
14, 000, 000	5, 792, 256	379	53, 583	176, 721	324, 350	142,933,034	3, 639, 794		42

⁷ Newfoundland included.
8 Included in total.
9 The figures for 1958 include only establishments with selling values of factory shipments of \$100,000 or over. These establishments reported over 98 p.c. of the total value of fuel used by the manufacturing industries of Canada.
10 The figures for 1959 include only large establishments which for most industries refer to establishments with shipments of \$500,000 or over. They do not include the small and medium-sized establishments which in 1959 contributed 4.9 p.c. to the total cost of fuel and electricity consumed.

PART II. PROVINCIAL AND LOCAL DISTRIBUTION OF MANUFACTURING PRODUCTION

SECTION 1. TYPE AND CONCENTRATION OF MANUFACTURING PRODUCTION

This part of the Report is introduced by a general analysis of the concentration of the manufacturing industries in the provinces. In the sections that follow, the principal features of the manufactures of each province are brought out and finally the distribution of manufacturing throughout the principal cities and towns of Canada is shown.

Ontario and Quebec are by far the most important manufacturing provinces of Canada. Their combined production in 1959 amounted to \$18,584,660,156 or 80 p.c. of the total gross value of manufactured products. The proximity of Ontario to the coal-fields of Pennysylvania, the water power and other varied resources of the provinces, and their nearness to the larger

markets of Canada and the United States have all contributed to this progress.

Table 1 shows the outstanding predominance of Ontario and Quebec in each industrial group. Quebec leads in the manufacture of tobacco and tobacco products, textiles (except clothing), clothing (textile and fur), and paper products. In each of the other groups Ontario has the greater production of the two provinces. In the production of wood products British Columbia with 40 p.c. of the total holds the dominant position, outranking both Ontario and Quebec which account respectively for 25 and 22 p.c. of the total. In each of the other groups Ontario and Quebec lead by a wide margin.

TABLE 1. Summary Statistics of Manufactures of each Province, classified by Industrial Groups, 1959

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	num	ber		doll	ars	
Canada						
	8.165	192,092	662,539,156	2,967,680,288	1,613,441,033	4,673,889,281
Foods and beverages	40	10, 287	38,078,218	212,770,678	111 604 915	
Rubber products	89	21,093	86,859,037	212,770,678 160,396,526	111, 694, 215 188, 179, 495 129, 812, 337 363, 536, 279 90, 748, 070 367, 224, 758 644, 855, 992	324, 563, 661 347, 680, 280 271, 175, 005 802, 517, 086 189, 267, 687 765, 817, 930 1, 425, 135, 795 2, 027, 299, 168 823, 631, 668
Leather products	586	31,012	82,735,223	143,765,770	129,812,337	271, 175, 005
Textiles	879	63,579	202, 903, 500	429,640,871	363, 536, 279	802,517,086
Knitting mills Clothing	319 2,359	20,992 87,678	52, 187, 295 227, 512, 941	98,658,641 401,131,919	367 224 758	765 817 930
Wood products	9,808	123,791	387,861,727	761, 353, 905	644, 855, 992	1,425,135,795
Paper products	559	94,231	430, 364, 506	935, 329, 113	300,010,031	2,027,299,168
Printing, publishing and allied industries	4,359	73,926	308, 264, 193	267, 305, 034	552,887,917	823,631,668
Iron and steel products	3,246	192,969	861,445,687	1,486,321,858	1,567,673,258	3,077,628,204 2,022,195,705
Transportation equipment	645	113,606	531, 587, 587	1,120,282,587	910, 947, 333	1,740,453,053
Non-ferrous metal products	580 496	52,025 73,883	236,727,972 316,857,086	1,076,051,004 501,799,678	600,870,837 566,293,281	1,047,462,278
Electrical apparatus and supplies	1,251	43.349	178,653,798	240, 923, 344	405, 956, 730	694, 237, 680
Products of petroleum and coal	112	16,775	93,896,376	936, 188, 338	278, 544, 412 ¹	1.268.007.449
Chemicals and allied products	1,137	54,782	243, 217, 726	627, 365, 792	701,479,999	1,378,211,030
Miscellaneous industries	1,563	37,886	131,381,678	185, 235, 197	246, 238, 538	432, 428, 521
Totals	36,193	1,303,956	5,073,073,706	12,552,200,543	10, 320, 962, 8812	23, 311, 601, 481
Newfoundland						
Foods and beverages	75	3,456	7,319,083	17,092,806	16,718,766	34, 216, 805
Tobacco and tobacco products	~	-	~	-	_	_
Rubber products Leather products	_	_	_			
Leather products	4	78	150,920	318, 473	178,898	527,028
Textiles ³						
Knitting mills'						
Leatner products Textiles ³ Knitting mills ³ Clothing ³ Wood products Paper products Paper products ¹ Painting multipling and allied industries	632	1,280	1,615,626	3,855,856	2,530,395	6, 460, 173
Paper products ¹	2	3,085	15,943,252	26,608,183	29,784,153	62,508,058
Filling, publishing and affect modernes	40	435	1,341,043	662,015	2,417,535	3, 142, 582
	10	262	887,206	1,082,001	1,468,781	2,614,341
Transportation equipment	6	317	1,150,272	644,117	1,052,148	1,728,858
Non-ferrous metal products	-	_	***		_	
Non-metallic mineral products	12	323	1,130,065	1,949,610	1,888,698	4, 194, 175
Products of petroleum and coal ³	12	020	2,200,000	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Transportation equipment Non-ferrous metal products Electrical apparatus and supplies ³ Non-metallic mineral products Products of petroleum and coal ³ Chemicals and allied products	5	74	258,844	849,581	957,356	1,796,284
Miscellaneous industries4	11	310	684,980	939, 140	757,780	1,818,749
Totals	797	9, 620	30,481,291	54, 001, 782	57, 754, 510	119,007,053
Prince Edward Island						
Foods and beverages	84	1,153	2,522,630	16,737,938	4,611,662	21,731,602
Tobacco and tobacco products* Rubber products Leather products* Textiles						_
Leather products	_	_	_	_	_	
Textiles	3	72	144,168	826, 209	540,307	1,387,340
Knitting mills	_			_	_	-
Clothing	and a	-	_			
Wood products	65	204	306,431	576,359	453,552	1,062,439
Paper products	9	100	495,447	219,958	836,612	1,079,757
Printing, publishing and allied industries Iron and steel products	9	199	88, 420	126,647	128, 478	259,951
Transportation equipment ⁵	4	32	00,420	120,011	280, 210	200,002
Transportation equipment ⁵ Non-ferrous metal products	_	_	_	_	_	_
Electrical apparatus and supplies Non-metallic mineral products	_			_		-
Non-metallic mineral products	4	18	53,358	57,148	115, 173	176, 100
Products of petroleum and coal	-	-	_	_	_	_
Chemicals and allied products ⁵ Miscellaneous industries						
All other groups	9	91	245,732	1,402,823	705,510	1,973,70
				1		
Totals	178,	1,769	3, 856, 186	19, 947, 082	7,391,294	27, 670, 896

TABLE 1. Summary Statistics of Manufactures of each Province, classified by Industrial Groups, 1959 - Continued

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
Nova Scotia	num	ber		do	llars	
Foods and beverages	361	8, 493 —	20, 535, 231	71, 669, 513	41, 423, 528	113, 363, 327
Leather products ³	10 5 8 595 6 132	459 1,046 350 3,362 1,526 1,386	1,102,869 2,134,080 583,598 6,482,660 5,764,604	1, 838, 085 3, 948, 801 1, 283, 885 16, 358, 004 10, 827, 891	3,921,437	7, 741, 437 2, 207, 355
Transportation equipment Non-ferrous metal products Electrical apparatus and supplies ³ Non-metallic mineral products	59 68 —	5, 525 4, 020	4,588,388 23,594,161 14,859,351 — 1,730,919	1,235,363 16,358,004 10,827,891 2,681,391 41,022,321 12,788,464	8, 478, 937 33, 866, 277 20, 256, 854 4, 348, 745	11, 280, 695 78, 248, 846 33, 881, 788
Products of petroleum and coal ³ Chemicals and allied products Miscellaneous industries ⁴ Totals	16 21	282 1,108	970, 146 5, 348, 022	3, 166, 507 55, 633, 238	3, 119, 829 17, 392, 517	6, 508, 617
New Brunswick	1,314	28, 168	87, 694, 029	223, 016, 082	161, 451, 957	398, 663, 678
Foods and beverages Tobacco and tobacco products Rubber products	286	6,719	15, 979, 889	81,672,303	39, 410, 351	122, 998, 846
Textiles Knitting mills ³ Clothing	6 14 4	324 415	741, 034 926, 234	1, 219, 804 1, 552, 767	1,217,097 1,468,982	2, 428, 581 3, 020, 961
wood products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products	417 18 66 36 11	3,505 4,332 953 1,242 1,659	269, 152 7, 423, 302 19, 427, 439 3, 126, 242 4, 032, 942 6, 732, 919	153, 152 21, 400, 295 44, 713, 621 1, 933, 291 6, 976, 419 10, 397, 664	400,597 13,320,853 47,412,381 5,033,017 7,194,135 7,754,644	562, 629 35, 253, 603 101, 258, 594 7, 066, 427 14, 616, 733 18, 475, 748
Electrical apparatus and supplies ³ Non-metallic mineral products Products of petroleum and coal ³ Chemicals and allied products Miscellaneum industried	31	594 146	1,905,987 501,672	1,861,370	4, 286, 153	7, 168, 144
Miscellaneous industries ⁴	18 915	851 20, 927	2,806,060 63,872,872	2, 950, 369 3, 233, 568 178, 064, 623	1,893,146 4,543,922 133,935,278	4, 881, 349 7, 747, 102 325, 478, 717
Quebec						
Foods and beverages Tobacco and tobacco products Rubber products Leather products Textiles Knitting mills Clothing Wood products Paper products Paper products Paper products Iron and steel products Iron and steel products Iron see and products Iron see and products Relectrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries Totals	2, 601 21 33 313 394 179 1, 473 2, 772 189 1, 198 763 111 181 105 380 18 367 486	49, 429 7, 381 5, 748 16, 245 36, 459 10, 616 55, 322 31, 853 36, 597 20, 438 41, 067 30, 727 17, 148 23, 031 12, 796 3, 356 21, 291 11, 733 431, 237	163, 407, 982 28, 827, 905 20, 107, 969 39, 979, 452 112, 038, 729 26, 310, 181 139, 451, 573 85, 163, 041 164, 297, 227 82, 228, 485 168, 953, 696 137, 024, 422 80, 138, 837 100, 500, 568, 50, 643, 938 18, 426, 739 92, 521, 405 36, 910, 521 1, 546, 932, 670	788, 173, 901 99, 402, 193 26, 680, 503 62, 784, 456 243, 717, 753 262, 850, 080 173, 074, 077 339, 048, 160 76, 658, 272 269, 726, 852 156, 905, 844 453, 998, 840 141, 641, 691 70, 624, 921 290, 856, 306 183, 844, 811 57, 893, 286 3, 749, 731, 529	413, 952, 222 86, 242, 260 33, 223, 099 61, 051, 223 188, 140, 420 45, 117, 974 228, 263, 958 143, 060, 146 357, 897, 747 148, 978, 901 307, 162, 254 181, 543, 756 179, 781, 173 150, 850, 679 110, 830, 167 76, 917, 253 217, 574, 51 68, 188, 429 2, 998, 776, 012	1, 229, 064, 850 185, 816, 116 61, 132, 061 123, 127, 137 432, 997, 669 98, 011, 405 490, 263, 261 319, 946, 576 746, 115, 403 227, 054, 141 585, 694, 755 342, 254, 429 664, 201, 750 289, 225, 864 195, 320, 696 383, 680, 0262 415, 798, 385 126, 495, 070 6, 916, 199, 594
Ontario						
Foods and beverages Tobacco and tobacco products Rubber products Leather products Textiles Knitting mills Clothing Wood products Paper products Paper products Paper products Frinting, publishing and allied industries Iron and steel products Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	3,030 17 47 214 365 122 645 2,155 257 1,810 1,644 268 316 317 529 31 550 764	79, 019 2, 895 15, 285 15, 285 13, 217 24, 282 8, 771 23, 210 33, 006 36, 384 37, 163 125, 024 62, 928 26, 897 48, 334 21, 686 7, 077 27, 489 23, 079	290, 639, 083 9, 221, 244 66, 490, 900 38, 878, 194 82, 640, 085 107, 348, 777 161, 753, 294 162, 443, 285 578, 478, 212 312, 257, 118 17, 660, 567 206, 473, 628 93, 243, 702 41, 083, 676 124, 769, 234 83, 337, 718	1, 181, 055, 365 113, 355, 170 133, 613, 414 73, 585, 199 164, 563, 838 40, 042, 405 96, 639, 123 184, 552, 965 370, 725, 325 146, 152, 678 1, 020, 757, 847 880, 866, 959 503, 085, 739 337, 484, 331 120, 163, 114 336, 791, 069 373, 064, 848	719, 741, 609 25, 412, 753 154, 596, 027 62, 419, 540 159, 813, 671 102, 424, 619 173, 145, 241 338, 599, 830 290, 681, 346 1, 071, 063, 636 619, 963, 360 30, 998, 373 396, 013, 551 211, 257, 867 82, 803, 451 395, 245, 763 158, 557, 216	1, 933, 827, 131 138, 693, 353 285, 983, 867 134, 526, 708 331, 829, 002 79, 101, 404 197, 948, 933 361, 171, 884 739, 976, 326 437, 420, 038 2, 101, 144, 315 1, 486, 081, 799 857, 563, 893 716, 025, 214 356, 458, 470 440, 573, 876 ³ 797, 209, 029 272, 655, 320

TABLE 1. Summary Statistics of Manufactures of each Province, classified by Industrial Groups, 1959 - Continued

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
Manitoba	nun	ber		doll	ars	
	376	10, 163	37, 793, 571	199, 798, 786	88, 768, 419	295, 291, 237
Foods and beverages		10, 100	-	-	****	_
Rubber products ³	17	619	1,567,662	3, 530, 108	2,598,136	5, 938, 664
Leather products Textiles	29	504	1, 428, 000	6, 410, 613	2, 775, 253 463, 002	9, 262, 132
Knitting mills	137	118 5, 688	237, 836 14, 128, 083	671, 809 26, 735, 049	22 788 713	1, 126, 223 49, 039, 422
Clothing Wood products	378	3,302	9, 667, 737 5, 962, 808	18, 085, 402	22,788,713 15,045,553 19,757,521	33, 347, 099
Paper products	22	1,556	5, 962, 808	17, 63 9, 281 12, 299, 890	19, 757, 521 26, 389, 334	38, 772, 899 39, 030, 268
Printing, publishing and allied industries	276 149	3, 828 6, 128	14,431,695 25,167,124 22,978,527	38, 291, 862	44, 262, 186	83, 040, 494
Transportation equipment	33	5,850	22, 978, 527	24, 772, 564	27, 858, 881	53, 226, 514 13, 903, 115
Non-ferrous metal products	15 20	523 893	2, 112, 630 3, 168, 593	7, 666, 787 7, 428, 067	5,683,761 6,873,643	14, 349, 622
Electrical apparatus and supplies	46	1,674	6, 690, 804	9, 933, 113	16 351 074	14, 349, 622 28, 297, 758 50, 401, 224 ² 18, 340, 750
Products of petroleum and coal	6	714	3, 274, 643	34, 305, 743 9, 748, 035	14, 863, 628 ² 8, 603, 604 5, 258, 509	50, 401, 224 ²
Chemicals and allied products	35 64	740 845	2, 599, 739 2, 788, 573	4, 777, 506	5, 258, 509	10, 141, 931
Totals	1,607	43, 145	153, 998, 025	422, 094, 615	308, 341, 217	743, 509, 352
Saskatchewan Foods and beverages	235	5, 545	21, 008, 280	113, 961, 789	50, 883, 443	167, 641, 035
Tobacco and tobacco products	-	-	-		-	_
Rubber products	_		_	_	_	_
Textiles	7	67	162,941	714,070	315,536	1, 032, 964
Knitting mills	- 9	270	705, 675	1, 177, 544	1, 109, 489	2,364,916
Clothing	314	1, 207	2, 833, 169	5, 665, 866	4, 795, 375	10, 583, 487
Paper products	7	177	625, 773	1,365,438 3,541,994	1,007,677 9,230,636	2, 476, 124 12, 920, 076
Printing, publishing and allied industries Iron and steel products	177 55	1,558	5,374,485 3,496,660	9, 089, 708	7, 375, 608	16, 061, 288
Transportation equipment	3	57	138, 150	206,032	572, 928	681,348
Non-ferrous metal products 3		ļ				
Electrical apparatus and supplies ³	32	709	2,688,359	3, 489, 020	8, 805, 145	12, 896, 206
Products of petroleum and coal	11	1,137	6, 042, 058 959, 660	54, 100, 848 3, 279, 648	24, 306, 382 ² 1, 911, 647	80, 618, 207 ² 5, 256, 266
Chemicals and allied products	10 23	694	2, 998, 606	16, 784, 740	15, 563, 573	34, 788, 404
Totals	883	12,539	47, 033, 816	213, 376, 697	125, 877, 439	347, 320, 321
Alberta						
Foods and beverages	450	12, 148	44, 746, 339	257, 524, 716	105, 983, 947	370, 594, 534
Tobacco and tobacco products	-			_	-	-
Rubber products Leather products	11	83	226, 530	502, 809	456,705	960, 910
Textiles	15	429	1.620.686	4, 298, 241	3, 285, 093	7,522,206 167,754
Knitting mills	3 23	1, 119	57, 501 2, 765, 185	79, 037 5, 951, 997	88, 670 5, 291, 948	11, 250, 077
Clothing		5.371	14, 785, 647	32, 130, 946	27, 042, 228	60, 416, 887
Paper products	18	1,248 2,757	5, 897, 037 10, 474, 845	32, 130, 946 18, 219, 146 8, 291, 402	15, 841, 616 20, 919, 107	35, 213, 877 29, 377, 911
Printing, publishing and allied industries	256 174	4, 599	19, 484, 630	39, 130, 517	34, 606, 261	73, 753, 858
Transportation equipment	29	3,194	12, 842, 086	13, 671, 719 13, 456, 894	14, 529, 871 8, 449, 308	28, 132, 324
Non-ferrous metal products Electrical apparatus and supplies	13 10	699	3, 496, 704 757, 761	3, 339, 796	2, 226, 764	5, 270, 472
Non-metallic mineral products	83	3,018	12, 167, 967	19, 882, 118	31, 517, 121	52, 901, 094
Products of petroleum and coal	29		12, 152, 474 8, 939, 643	85, 417, 064 20, 344, 989	38, 406, 117 ² 33, 643, 974	22, 479, 174 5, 270, 472 52, 901, 094 125, 564, 035 57, 544, 841
Miscellaneous industries4			2, 090, 378	2, 027, 575	33,643,974 4,011,020	6, 166, 843
Totals	1,830	39, 522	152, 505, 413	524, 268, 966	346, 299, 750	887, 316, 797
British Columbia						
Foods and beverages	663	15, 954	58, 536, 073	239, 919, 948	131, 802, 867	384, 930, 170
Rubber products	5	51	224, 118	148, 309	278, 683	448,840 3,253,926
Leather products	18		1,041,954 2,605,948	1, 643, 479 5, 274, 426	1, 662, 723 4, 163, 059	9, 847, 130
Textiles	4	313	224, 118 1, 041, 954 2, 605, 948 793, 584	1, 174, 814	1,613,910	2, 663, 149
Clothing	. 58		3, 982, 627 152, 162, 487	6, 131, 847 305, 519, 567	5, 918, 077 253, 717, 847	2, 663, 144 11, 809, 98' 568, 072, 018 275, 281, 173 55, 113, 214 121, 923, 623
Wood products	. 39	9,322	50, 684, 008		156, 755, 300	275, 281, 173
Printing publishing and allied industries	3 93	5, 196	23, 691, 549	105, 153, 045 14, 837, 920 60, 117, 684 19, 944, 771 82, 278, 319 9, 250, 431	253,717,847 156,755,300 39,805,835 60,540,642 37,293,531	121 923 623
Iron and steel products			37, 262, 636 23, 511, 537	19, 944, 771	37, 293, 531	31, 320, 102
Non-ferrous metal products	. 52	5,793	23, 511, 537 29, 402, 824 4, 523, 870	82, 278, 319	59, 622, 416	147, 548, 048
Electrical apparatus and supplies	. 31	1,024	4, 523, 870 8, 398, 699	9, 250, 431 11, 164, 948	8, 166, 054 16, 556, 587	30, 139, 763
Non-metallic mineral products Products of petroleum and coal			8,583,676	78, 316, 957	25, 191, 832	107, 850, 07
Chemicals and allied products	. 103	2,604	11, 536, 303	28, 319, 945	37, 970, 467	68, 648, 32
Miscellaneous industries	1		4,463,193	4,727,766	1	
Totals	. 3,99	2 101, 168	421, 405, 086	974, 924, 176	848,404,204	1,010,120,100

TABLE 1. Summary Statistics of Manufactures of each Province, classified by Industrial Groups, 1959 - Concluded

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
Yukon and Northwest Territories Foods and beverages	4	13 21 81	50, 995 72, 850 486, 239	dolla 73,223 134,568 1,949,018	144,219 119,390 386,111	
Totals	12	115	610, 084	2,156,809	649, 720	2,832,386

Publication of these figures is authorized by the firms concerned.

**Publication of these figures is authorized by the Thins concerned.

**In 1959 the method of valueing petroleum products was changed. It is estimated that if the 1958 basis had been used, the 1959 total production would have been \$268,000,000 higher for Canada as a whole. Provincial figures are also not comparable with previous years for the same reason.

**Confidential. Included with "Miscellaneous industries".

Confidential included with "Miscellaneous industries".
 Includes all groups marked 3.
 Included in "All other groups".
 Includes "Printing and publishing", "Petroleum products" and "Acids, alkalies and salts".

The degree of concentration of manufacturing in large units is illustrated in Table 2. In Ontario 35.5 p.c. of the people engaged in manufacturing were employed in establishments having 500 or more employees as compared with 32.9 p.c. for Canada as a whole. Ontario assumed the premier position in 1956, displacing Newfoundland which formerly ranked first.

Quebec ranked second with 34.6 p.c., followed by Newfoundland with 32.1 p.c., Nova Scotia 28.9 p.c., British Columbia 26.2 p.c., New Brunswick 24.8 p.c., Manitoba 22.3 p.c. and Alberta 21.8 p.c. There were no plants in Prince Edward Island employing 500 or more persons,

TABLE 2. Concentration of Manufacturing Production in Each Province, 1959

Province	Number of establishments employing 500 or more persons	Percentage of total number of establishments in province	Provincial percentage of number of employees accounted for by these establishments
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Sas katchewan Alberta British Columbia Wukon and Northwest Territories	2 -7 6 136 173 10 1 13 28	0.3 	32.1
Canada	376	1, 0	32,9

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and each Province, classified by Number of Employees per Establishment, 1959

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
Canada: Under 5 employees 5 to 14 employees 15 " 49 "" 50 " 99 " 100 " 199 " 200 " 499 " 1,000 " 1,499 " 1,500 and over Not classifable Head offices² Totals	num 14, 594 9, 728 6, 466 2, 250 1, 255 799 252 72 52 72 725 - 36, 193	31, 710 80, 558 174, 506 156, 127 173, 220 241, 597 172, 659 89, 438 167, 454 16, 687 1,303, 956	67, 692, 748 23.8, 788, 393 572, 795, 497 537, 565, 152 616, 770, 104 950, 042, 025 746, 414, 521 404, 988, 007 832, 543, 881 105, 563, 466 5, 073, 073, 706	7, 126, 716 20, 774, 556 43, 529, 015 42, 276, 744 61, 389, 808 112, 587, 775 116, 883, 011 64, 456, 112 99, 846, 425 — 568, 880, 162	ars 212, 240, 357 603, 443, 678 1, 352, 588, 553 1, 327, 860, 305 1, 591, 640, 158 2, 473, 947, 220 2, 017, 263, 478 1, 058, 466, 211 1, 910, 238, 484 4, 512, 099 12, 552, 200, 543	348, 125, 833 1, 074, 771, 949 2, 501, 970, 451 2, 479, 801, 967 2, 958, 973, 165 4, 627, 486, 233 3, 725, 227, 892 1, 915, 077, 908 3, 674, 602, 096 5, 563, 987
Newfoundland: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 and over Not classifiable¹ Head offices²	650 53 45 27 9 5 8	947 470 1, 195 1, 851 1, 184 3, 971 2	686,760 1,129,070 2,994,652 5,507,228 2,187,343 17,952,238 24,000 30,481,291	71,486 131,170 244,001 569,491 484,315 5,019,256 — 6,519,719	1,794,046 2,642,636 5,579,967 11,668,548 3,234,521 29,061,752 20,312 	3, 248, 601 5, 325, 799 11, 003, 422 25, 029, 698 7, 315, 024 67, 059, 616 24, 893 119, 007, 053

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and each Province, classified by Number of Employees per Establishment, 1959 — Continued

Province and group	Estab- lish-	Timplemen.	Salaries	Cost of	Cost at plant	Selling value
	ments	Employees	and wages	fuel and electricity	of materials used	of factory shipments
	num	ber		dolla	ts	
rince Edward Island: Under 5 employees 5 to 14 employees 15 " 49" 50 and over	108 39 27 4	213 301 703 552	334,543 618,915 1,339,174 1,563,554	54,272 87,200 152,677 160,785	1,895,506 3,524,043 5,666,574 8,860,959	2,631,808 4,764,387 8,130,374 12,144,327
Totals	178	1,769	3,856,186	454,934	19,947,082	27,670,896
Tova Scotia: Under 5 employees 5 to 14 employees 15 " 49 "" 50 " 99 "" 100 " 199 "" 200 " 499 "" 500 and over Not classifiable ¹	641 360 172 53 20 16 7	1,342 2,990 4,486 3,723 2,795 4,647 8,134	1,929,356 6,441,248 11,577,816 9,299,468 8,390,933 16,510,976 33,359,972	210,117 781,980 1,327,401 1,130,693 965,671 5,142,336 4,481,113	4,910,247 19,308,558 32,159,907 24,968,589 15,511,077 75,791,496 50,261,642 104,566	8,542,806 32,394,215 55,162,501 45,832,960 31,581,977 121,058,530 103,960,754 129,935
Head offices ² Totals	1,314	28, 168	87,694,029	14,039,311	223,016,082	398,663,678
New Brunswick: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 and over Not classifiable ¹	442 262 122 37 22 12 6	919 2,174 3,273 2,535 3,083 3,609 5,182	1,360,315 4,656,719 8,134,164 7,062,714 8,143,990 12,519,237 20,978,435	192,929 632,894 1,066,128 798,574 1,131,765 2,148,613 8,042,644	4,296,755 12,918,491 26,579,932 20,681,617 23,143,576 29,715,904 60,670,207 58,141	6,957,596 23,273,526 43,246,927 35,586,715 44,735,561 50,116,479 121,481,578 80,335
Head offices ² Totals	915	20,927	63,872,872	14,013,547	178,064,623	325, 478, 717
Quebec: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 "1,499 " 1,500 and over Not classifiable 1 Head offices 4	4,629 3,104 2,172 714 404 239 88 32 16	10,524 25,636 59,503 49,578 55,099 73,965 59,725 39,181 50,386 7,640	22,069,884 70,538,934 172,988,840 149,140,560 173,406,690 266,833,805 247,952,592 188,586,811 228,111,916	2,429,350 5,549,819 11,385,386 9,486,982 15,183,170 35,001,070 51,718,094 22,961,920 16,025,099	96,220,637 204,561,957 401,874,559 362,344,011 439,339,903 681,623,289 811,812,218 451,452,325 299,042,680 1,459,950	141,701,186 345,769,736 738,093,864 671,029,722 813,584,127 1,298,966,77 1,411,524,377 816,145,046 677,498,296
Totals	11,584	431,237	1,546,932,670	179,720,890	3,749,731,529	6,916,199,59
Ontario: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 " 1,499 " 1,500 and over Not classifiable Head offices "	4,559 3,479 2,599 972 605 430 114 30 29 264	84,426 128,614 78,793 37,752 102,073	25,041,968 94,067,307 251,751,229 247,226,960 320,458,300 522,662,822 352,967,511 177,813,129 531,251,366	2,499,385 7,928,896 18,902,237 19,110,249 29,058,341 46,958,862 45,988,054 24,681,367 66,982,811	69,631,993 209,985,339 588,652,965 612,184,521 749,622,531 1,217,569,675 775,304,659 503,796,415 1,461,936,348 1,933,736	120, 433, 194 392, 325, 53; 1, 999, 770, 45; 1, 150, 063, 266; 1, 435, 922, 144; 2, 350, 252, 75; 1, 537, 744, 17; 891, 722, 524 2, 687, 853, 49; 2, 373, 02
Totals	13,081		2,564,684,234	262,110,202	6,190,618,182	11,668,460,56
Manitoba: Under 5 employees 5 to 14 employees 15 " 49 " 100 " 199 " 200 " 499 " 200 " 499 " 1,000 and over Not classifiable ¹	705 398 25: 11' 4: 2:	3,293 7,045 7 8,363 6,839 6,170 6 4,325 4 5,300	3,109,303 9,451,876 22,534,002 28,881,968 24,548,944 23,661,280 18,834,045 21,513,976	309,092 860,640 1,585,009 1,745,630 3,730,419 4,041,750 976,234 769,805	6,585,293 31,084,637 50,701,594 61,847,476 92,575,134 49,854,798 67,052,322 62,122,334 271,027	12,547,31 50,718,49 94,701,96 120,915,18 158,520,36 108,786,91 104,085,48 92,958,64
Head offices ²	1,60	324 7 43,145	1,462,631 153,998,025	14,018,579	422, 094, 615	743,509,3

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and each Province, classified by Number of Employees per Establishment, 1959 - Concluded

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
Saskatchewan:	nun	ber		doll	ars	
Under 5 employees 5 to 14 employees 15 "49 " 50 "99 " 100 "199 " 200 and over Not classifiable thead offices 2 Totals	468 238 91 29 18 8	893 1,908 2,376 1,901 2,341 2,922 —————————————————————————————————	1,701,456 5,641,473 8,154,684 7,700,953 9,054,936 13,648,676 1,131,638 47,033,816	224, 229 694, 344 997, 079 886, 547 1,525, 159 5, 297, 292 - - 9, 634, 650	2,848,730 17,670,117 24,852,351 20,582,449 41,322,532 105,969,021 131,497	6,209,97; 30,535,48; 44,799,29; 38,734,63; 66,799,91; 160,103,31; 137,71;
Alberta: Under 5 employees	808	1,705			213, 376, 697	347, 320, 321
5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 and over Not classifiable ¹ Head offices ²	547 266 79 44 21 13 52	4, 436 6, 784 5, 410 5, 894 6, 314 8, 598	3,713,998 13,570,652 24,609,373 21,887,358 22,087,433 28,087,387 36,144,136	410, 729 1, 149, 951 2, 456, 149 2, 439, 377 3, 531, 590 5, 703, 333 2, 270, 311	10, 169, 159 38, 752, 648 60, 144, 644 62, 188, 432 92, 051, 978 119, 509, 761 141, 317, 311 135, 033	17, 280, 393 66, 336, 753 114, 077, 032 117, 111, 925 156, 933, 006 203, 597, 534 211, 824, 518 155, 636
Totals	1,830	39, 522	152, 505, 413	17, 961, 440	524, 268, 966	887, 316, 797
British Columbia: Under 5 employees	1,580 1,243 720 220 82 48 21 3 4 71 -	3,540 10,189 18,244 15,091 11,323 14,797 14,326 3,956 8,175 1,527 101,168	7,702,035 32,472,669 68,711,563 60,259,327 48,027,070 65,825,167 65,486,210 21,177,767 41,148,995 10,594,283 421,405,086	715,003 2,935,966 5,432,948 5,905,616 5,745,547 8,219,451 10,546,332 525,930 10,206,740 50,233,533	13, 820, 446 62, 308, 941 156, 346, 060 148, 281, 384 134, 437, 363 205, 679, 476 141, 295, 186 17, 142, 991 95, 219, 677 392, 652 974, 924, 176	28,369,073 122,316,383 292,984,624 271,445,974 242,334,328 348,321,124 313,777,443 53,502,151 201,595,687 495,338
Vukon and Northwest Territories: Under 5 employees 5 and over	6	15 100	43, 130 566, 954	10,124 163,233	72,730 2,084,079	209,523 2,622,863
Totals	12	115	610, 084	173, 357	2, 156, 809	2, 832, 386

 1 Consists of the industry "Publishing (only) of Periodicals". 2 Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and each Province, classified according to the Selling Value of Factory Shipments per Establishment, 1959

Province and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
Canada: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 4,999,99 5,000,000 and over Head offices*	nun 6, 689 5, 278 4, 795 4, 874 4, 382 4, 459 2, 322 2, 624 770 — 36, 193	8, 378 14, 840 24, 292 41, 150 60, 834 122, 374 128, 173 357, 120 530, 108 16, 687 1, 303, 956	9,606,636 30,165,811 58,355,462 111,825,346 181,806,689 389,465,327 422,076,654 1,316,416,698 2,445,791,617 105,563,466 5,073,073,706	dol 973,001 2,505,250 4,108,184 7,741,129 12,866,482 24,809,066 26,527,058 102,069,224 387,280,768 568,880,162	14,704,916 40,155,716 79,461,697 167,106,560 317,238,823 735,132,204 857,146,352 2,871,610,796 7,469,643,479 12,552,200,543	30,010,008 88,481,734 172,972,326 350,262,28 626,769,497 1,424,683,038 1,645,987,369 5,594,574,528 13,377,860,157
Newfoundland: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 500,000 " 999,999 Hod,000 and over Head offices¹ Totals	585 67 26 24 25 34 21 15 -	754 195 168 232 654 1,067 1,797 4,751 2	359, 561 303, 466 289, 769 553, 656 1, 460, 470 2, 653, 189 4, 094, 517 20, 742, 663 24, 000 30, 481, 291	39,951 26,474 33,807 54,933 92,059 243,721 407,790 5,620,984 	963,513 569,888 443,046 690,202 1,706,052 5,656,205 8,224,705 35,748,171	1,653,161 1,119,715 936,63 1,657,762 3,747,509 10,753,513 16,151,935 82,986,765

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and each Province, classified according to the Selling Value of Factory Shipments per Establishment, 1959 — Continued

the Selling Value	of Factory	Shipments po	er Establishme	nt, 1959 - Con	Inded	
Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		dolla	ırs	
Prince Edward Island: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 and over Totals	58 26 24 27 17 17 5 4	84 63 91 246 223 383 295 384	71,773 98,586 171,328 466,634 422,641 719,362 638,769 1,267,093 3,856,186	8,591 10,181 27,285 54,037 53,221 95,574 50,587 155,458	142,578 215,559 605,547 1,179,015 1,503,755 3,957,992 2,128,144 10,214,492	274, 024 379, 281 925, 020 1, 958, 442 2, 404, 123 5, 060, 658 3, 448, 279 13, 221, 069 27, 670, 896
-						
Nova Scotia: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 499,999 1,000,000 " 4,999,999 1,000,000 " 4,999,999 Head officest"	386 244 166 159 134 121 41 55	513 720 929 1,392 1,976 3,755 2,157 8,585 8,090 51	419,699 1,167,047 1,784,163 2,815,555 4,647,723 8,944,456 6,208,633 26,890,048 34,632,445 184,260	41,731 113,390 144,559 292,281 517,027 1,044,595 642,540 2,613,635 8,629,553	935, 038 1, 976, 437 3, 204, 762 6, 223, 755 10, 813, 756 21, 610, 336 17, 438, 454 56, 262, 736 104, 550, 808	1,646,746 3,950,036 6,084,579 11,249,830 19,054,308 38,542,202 29,530,106 111,863,023 176,742,848
Totals	1,314	28, 168	87, 694, 029	14,039,311	223,016,082	398, 663, 678
New Brunswick: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 199,999 200,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 4,999,999 5,000,000 and over Head offices*	259 138 114 138 98 74 41 44 9	379 418 614 1,109 1,499 2,052 2,381 6,855 5,468	321,641 652,342 1,129,948 2,344,731 3,203,424 5,889,448 6,231,049 20,827,649 23,055,342 1,017,298	37,323 67,031 125,579 282,895 388,231 576,723 819,702 2,972,851 8,743,212	598,492 1,196,386 1,918,908 5,462,250 7,527,953 13,807,444 15,098,072 52,885,968 79,569,150	1,140,149 2,212,175 4,065,516 9,787,779 13,704,896 23,559,360 27,454,556 93,585,075 149,969,211
Totals	915	20, 927	63, 872, 872	14,013,547	178, 064, 623	325, 478, 717
Quebec: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 5,000,000 " 999,999 1,000,000 " 499,999 5,000,000 " 499,999 Head offices "	1,689 1,763 1,668 1,733 1,506 1,519 756 726 224	5,063 8,810 15,555 21,731 43,584 45,734 109,324	2,774,204 9,628,110 19,035,037 37,710,721 58,572,736 124,435,950 134,200,205 366,343,318 746,931,751 47,300,638	271, 443 793, 416 1, 261, 704 2, 290, 423 3, 662, 833 6, 525, 251 7, 811, 402 28, 239, 500 128, 864, 918	4,135,312 13,981,123 28,757,039 61,850,528 116,624,809 256,278,146 285,824,824 792,824,109 2,189,455,63	8,444,496 29,660,172 60,032,047 123,793,836 215,357,355 479,986,240 534,818,150 1,534,758,948 3,929,348,350
Totals	11,584		1, 546, 932, 670	179, 720, 890	3,749,731,529	6, 916, 199, 594
Ontario: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 499,999 1,000,000 " 499,999 5,000,000 " 4,399,999 5,000,000 and over Head offices "	1,700 1,655 1,739 1,676 1,788 987 1,285	4,612 8,018 13,975 22,595 49,659 54,130 176,762 277,353 6,412	3,132,949 10,462,895 21,439,399 42,399,758 72,673,673 169,923,129 192,799,400 682,19,2,008 1,328,226,291 41,443,642 2,564,684,234	2,813,432 4,929,123 10,262,079 11,540,839 47,572,838 182,497,373	3,941,711,906	9,005,645 28,767,399 60,391,028 126,362,914 240,507,600 575,934,387 701,858,797 2,796,818,385 7,128,814,407
Totals	13,08	015, 140	W, 002, 001, 001			
Manitoba: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 500,000 " 499,999 1,000,000 " 4,999,999 5,000,000 " 4,999,999 Hodo offices"	20 16 15 17 12 10	765 3 1,048 6 1,469 5 4,760 1 6,584 12,884	4,142,276 6,503,797 14,524,675 21,188,862 47,440,479 53,895,417	126,971 184,502 6 245,194 7 497,051 777,393 1,277,413 9 3,042,272 7,807,522	1,983,576 3,103,227 5,232,217 11,028,843 29,581,516 46,581,875 116,863,609	223,020,066
Totals	1	7 43,145	153, 998, 025	14, 018, 579	422, 094, 615	743, 509, 352

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and each Province, classified according to the Selling Value of Factory Shipments per Establishment, 1959 - Concluded

			per Establishme	1000 001	reraded	
Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		doll	ars	
Saskatchewan:			1			
Under \$10,000 \$ 10,000 to \$ 24,999 25,000 '' 49,999 50,000 '' 99,999 100,000 '' 199,999 200,000 '' 499,999 500,000 '' 999,999 1,000,000 '' 4,999,999 5,000,000 and over Head offices¹	310 139 102 97 62 85 39 37 12	344 418 478 803 734 1,658 1,539 3,029 3,338 198	296,502 893,395 1,248,599 2,190,706 2,367,499 5,975,048 5,281,714 11,953,900 15,694,815 1,131,638	37, 852 89, 486 111, 473 215, 428 251, 289 732, 523 406, 840 1, 786, 160 6, 003, 599	498,622 925,916 1,491,499 2,836,445 3,880,199 15,034,794 15,609,963 37,364,393 135,734,866	978, 247 2, 403, 729 3,648, 159 6,650, 701 8, 561,698 27,978,413 26,544,512 71,797,614 198,757,248
Totals	883	12,539	47,033,816	9, 634, 650	213, 376, 697	247 200 204
Alberta: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 99,999 200,000 " 499,999 500,000 " 999,999 5,000,000 " 999,999 5,000,000 " 999,999 1,000,000 " 499,999 5,000,000 " 499,999 Head offices	410 282 253 234 231 190 83 109 38	456 764 1,195 1,806 2,880 3,951 3,364 11,675 13,050 381	485, 585 1, 627, 725 3, 180, 657 5, 296, 389 9, 616, 641 13, 779, 529 12, 818, 404 45, 146, 298 58, 149, 109 2, 405, 076	66,042 139,384 212,259 381,111 769,487 1,298,486 827,423 4,706,686 9,560,552	753,671 1,901,023 3,858,850 7,373,755 16,687,344 31,880,780 32,841,081 119,583,170 309,389,292	1,588,560 4,570,433 8,983,254 16,851,320 33,040,413 58,660,769 57,457,843 225,027,640 481,136,565
Totals	1,830	39,522	152,505,413	17, 961, 440	524, 268, 966	887, 316, 797
British Columbia: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 200,000 " 499,999 500,000 " 499,999 1,000,000 " 499,999 1,000,000 " 4,999,999 1,000,000 and over Head offices'	741 646 581 554 479 460 227 242 62	981 1,816 2,932 4,546 6,393 11,491 10,183 26,130 35,169 1,527	1,199,059 3,701,317 7,359,728 13,830,683 22,338,085 43,355,741 40,573,925 110,059,055 168,393,210 10,594,283	116,928 329,832 607,058 1,101,760 1,706,161 2,732,741 10,180,313 30,211,029	1,709,088 4,879,891 8,606,469 17,411,667 30,854,561 75,162,686 88,349,112 278,975,261 468,975,441	3,619,509 10,866,900 20,536,561 39,835,371 68,061,442 148,417,121 161,736,330 510,849,711 911,219,180
Totals	3, 992	101,168	421, 405, 086	50, 233, 533	974.924.176	1 975 149 100
Yukon and Northwest Territories: Under \$25,000 \$ 25,000 to \$49,999 50,000 '' 99,999 100,000 and over Totals	3 3 3 3	7 9 17 82	8,050 45,487 74,237 482,310 610,084	1, 012 6, 392 9, 635 156, 318	27, 260 39, 414 60, 032 2, 030, 103 2, 156, 809	46,890 135,293 241,012 2,409,191 2,832,386

¹ Under this heading are included only those head offices that are not located at the plant.

SECTION 2. THE MANUFACTURES OF THE ATLANTIC PROVINCES

The Atlantic Provinces are of economic importance in a number of fields, such as pulp and paper, fish processing, sawmills, petroleum products and primary iron and steel. In Newfoundland manufacturing production is dominated by the forest and fisheries resources. Pulp and paper was the most important industry in 1959 with shipments valued at \$62,508,058, followed by fish processing with \$15,208,918. These two industries accounted for 65 per cent of the total production of the Province. In Prince Edward Island agriculture and fishing resources make butter and cheese, slaughtering and meat packing, and fish processing the leading industries. Nova Scotia is renowned for its coal mines and its fisheries as well as extensive forests and agricultural lands and is favoured with easy access by sea to the highgrade iron-ore supply of Newfoundland. On these resources are based the leading manufactures of primary iron and steel, fish processing, pulp and paper, shipbuilding and sawmills. In addition, an important petroleum refinery, railway rolling stock, coke and gas, knitted goods, confectionery, miscellaneous iron and steel and aircraft plants add to the diversification of the Province. The forests of New Brunswick give a leading place to its pulp and paper and sawmilling industries. Other important manufacturing and processing activities are based on fish and agricultural resources. There are also a number of metal working industries, such as heating and cooking apparatus, brass and copper products, etc.

Nova Scotia and New Brunswick, despite the lack of large rivers, have valuable sources of hydraulic power, a considerable portion of which has been developed. Tentative estimates give Newfoundland a potential of 1,600,000 h.p. at ordinary minimum flow, while in Labrador, the Hamilton River is outstanding as a potential source of power. Turbine installation at the end of 1959 totalled 370,135 h.p. in Newfoundland, 1,660 in Prince Edward Island, 183,168 in Nova Scotia and 254,875 in New Brunswick. Compared with Quebec, Ontario and British Columbia, the installed power in the Atlantic Provinces, is very small, amounting to 809,838 h.p. This compares with a total of 1,220,330 h.p. in the Prairie Provinces and 24,888,426 h.p. in the whole of Canada,

Manufacturing establishments reporting in 1959 numbered 3,204 for the Atlantic Provinces as a whole. These plants furnished employment to 60,484 persons who were paid \$185,904,378 in salaries and wages. They also shipped goods with a selling value at the factory of \$870,820,344 and spent \$475,029,569 for materials, while the value added by manufacture totalled \$360,533,039.

Considering the Atlantic Provinces as an economic unit, pulp and paper was the leading industry in 1959 with factory shipments valued at \$180,460,318, Fish processing and packing with factory shipments valued at \$87,733,137 was in second

place. Other leading industries, in order of importance and with shipments exceeding \$30,000,000, were: petroleum products, primary iron and steel, sawmills and butter and cheese. These six industries accounted for 53 p.c. of the total value of factory shipments of the Atlantic Region. Other leading industries with shipments of \$10 to \$30 million and in order of importance were: sugar refining, slaughtering and meat packing, bread and other bakery products, railway rolling stock, shipbuilding and repairs, miscellaneous food preparations, sash door and planing mills, printing and publishing, breweries, prepared stock and poultry feeds, carbonated beverages, coke and gas products and milk pasteurizing.

For the Atlantic Provinces as a whole there was an increase of 0.3 p.c. in the value of factory shipments, but a drop of 0.8 p.c. in the number of persons employed in 1958 as compared with the previous year. Most of the industries producing consumer goods reported increases in the value of shipments in 1959 as compared with 1958. Of the industries in this category with shipments of over \$10 million, coke and gas products reported the highest increase of 13.8 p.c., followed by breweries with 10.0 p.c., carbonated beverages 7.6 p.c., prepared stock and poultry feeds 5.6 p.c., butter and cheese 3.9 p.c., bread and other bakery products 3.9 p.c., fish processing 3.4 p.c., miscellaneous food preparations 2.9 p.c., printing and publishing 2.7 p.c., pulp and paper 1.9 p.c. and slaughtering and meat packing 0.2 p.c. Two industries in this category had lower shipments, viz sugar refining and petroleum products. The drop, in the value of shipments of the petroleum products industry is due largely to a change in the method of reporting unit values which were at a lower level than used in previous years. The drop in the value of shipments of 24 p.c. is consequently much greater than the drop in the volume of products shipped. The trend in the value of shipments reported by the industries producing durable goods was mixed. Two industries in the \$10 million and over classification reported increased shipments, sawmills 19.4 p.c. and primary iron and steel 1.7 p.c., while two other industries reported lower values of production. The value of production reported by the railway rolling stock industry was 13.1 p.c. lower while that of shipbuilding and repairs was 4.5 p.c. lower. Miscellaneous iron and steel products which in 1957 had shipments of over \$10 million reported severe declines in 1958 and 1959, its value of shipments dropping below the \$10 million mark.

In the Atlantic region the program of industrial development has been more selective than in some of the other provinces. Fish processing, new sawmills, increased pulp-making capacity and the manufacture of non-metallic building materials like cement and gypsum products have accounted for well over half of the industrial growth. There are however, a few outstanding exceptions. Two sizeable defence plants have been established in Nova Scotia, one to repair and overhaul naval aircraft and the other to build and repair radar and related electronic equipment. Considerable development has taken place in Newfoundland. Besides plants for the manufacture of cement and gypsum wallboard and plaster, factories for producing boots and shoes, birch veneer, leather goods, industrial machinery and a leather tannery were established, thus broadening the industrial base of the province. With these exceptions, most of the developments in the Atlantic Provinces have been either small and scattered or confined to the modernization and expansion of manufacturing facilities that were already established at the close of World War II.

Principal Statistics of the Atlantic Provinces, 1959

1 illicipa.						
Province	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	num	ber		thousands	of dollars	
Newfoundland Prince Edward Island Nova Scotia New Brunswick Totals	1,314	9,620 1,769 28,168 20,927 60,484	30,481 3,856 87,694 63,873 185,904	54,002 19,947 223,016 178,065 475,030	57,755 7,391 161,452 133,935 360,533	119,007 27,671 398,663 325,479 870,820

In spite of the rapid development in the Atlantic Provinces since 1949 manufacturing production did not keep pace with the development in the more industrialized provinces of Ontario, Quebec and British Columbia. This is indicated by the drop in the Atlantic Provinces' share of the Canadian total from 4.52 in 1949 to 3.74 in 1959. In number of persons employed there was a decrease of 5.6 p.c. for the Atlantic Provinces as compared with an increase of 11.3 p.c. for Canada as a whole. For salaries and wages paid the increase was 56.2 p.c. as compared with 95.7 p.c. for Canada, and in selling value of factory shipments the increase was 51.6 p.c. for the Atlantic Provinces and 86.8 p.c. for Canada as a whole. The increased employment since 1949 reported by Newfoundland and Prince Edward Island was more than offset by the major declines of 12.0 p.c. in New Brunswick and 4.1 p.c. in Nova Scotia, resulting in a

net decrease of 5.6 p.c. for the Atlantic Region as compared with an increase of 11.3 p.c. for Canada as a whole.

As mentioned previously, the drop in manufacturing employment in 1959 over 1958 in the Atlantic Provinces was 0.8 p.c., accompanied by an increase of 0.3 p.c. in the selling value of factory shipments. This compared with an increase of 1.1 p.c. in employment and 5.2 p.c. in factory shipments for Canada as a whole. All provinces, with the exception of Nova Scotia, reported higher employment figures, ranging from 0.2 p.c. for Newfoundland to 8.4 p.c. for Prince Edward Island. The drop in employment in Nova Scotia was 2.9 p.c. In value of factory shipments the trend was similar. There was an increase of 4.0 p.c. in New Brunswick, 2.9 p.c. in Prince Edward and 1.7 p.c. in Newfoundland, while in Nova Scotia the decline was 3.2 p.c.

Variation in Employment and Factory Shipments, 1959 Compared with 1958 and 1949

V GIIGION IN LINEYOU		compared wi	th 1949	1959 compared with 1958		
Province ·	Employees	Salaries and wages	Selling value of factory shipments	Employees	Salaries and wages	Selling value of factory shipments
			per	cent		
Newfoundland Prince Edward Island Nova Scotia New Brunswick Atlantic Provinces Canada	+ 5.5 ¹ + 1.3 - 4.1 - 12.0 - 5.6 + 11.3	+ 71.8 ¹ + 80.7 + 60.3 + 44.4 + 56.2 + 95.7	+ 54.3 ¹ + 52.7 + 61.0 + 40.6 + 51.6 + 86.8	+ 0.2 + 8.4 - 2.9 + 0.9 - 0.8 + 1.1	+ 4.3 + 13.7 + 2.0 + 4.6 + 3.4 + 5.6	+ 1.7 + 2.9 - 3.2 + 4.0 + 0.3 + 5.2

¹ Exclusive of fish processing.

TABLE 5. Principal Statistics of the Leading Industries of Newfoundland, 1959

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
1 2 3 4 5 6 7 8 9 10	Pulp and paper ² Fish processing Breweries Bread and other bakery products Carbonated beverages Sash, door and planing mills. Sawmills Printing and publishing Concrete products Biscuits Other leading industries ⁴ Totals, leading industries		3,085 2,302 199 303 175 221 839 240 97 157 940 8,558	15, 943, 252 3, 878, 394 770, 869 819, 311 499, 116 665, 650 435, 701 838, 993 298, 293 3, 417, 185 27, 940, 995	doll 26,608,183 9,284,786 1,038,354 1,651,523 920,578 1,578,005 1,487,647 252,628 1,008,340 624,703 6,138,457 50,593,204	29,784,153 5,980,135 3,801,069 1,617,349 2,212,717 1,002,178 872,051 1,673,386 346,009 734,740 6,042,822 54,066,609	62,508,058 15,208,918 4,917,166 3,357,948 3,237,992 2,611,987 2,414,542 1,973,156 1,404,269 1,391,342 12,674,624
	Totals, all industries	797	9,620	30,481,291	54,001,782	57, 754, 510	111,700,003

See footnote 1, Table 1, page 20.
 Publication of these figures was authorized by the firms concerned.
 Reported on a production basis.
 Includes: Dairy products, n.e.s.; Cement, hydraulic; Gypsum products; Miscellaneous food preparations; Paints, varnishes and lacquers; Railway rolling stock; Slaughtering and meat packing and Machinery, industrial.

TABLE 6. Principal Statistics of the Leading Industries of Prince Edward Island, 1959

No.	Industries ,	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
	-	num	ber		doll	ars	
1 2 3 4 5 6 7	Butter and cheese Fish processing Feeds, stock and poultry, prepared Fruit and vegetable preparations Milk pasteurizing Sawmills Other leading industries ³	13 20 12 7 11 52 6	196 401 57 114 46 106 479	508, 263 482, 481 121, 137 187, 848 122, 162 97, 793 1, 512, 402	5,067,913 2,579,329 841,229 668,986 421,029 317,620 8,980,416	1,230,768 641,885 209,292 290,784 193,174 196,266 3,203,922	6,387,898 3,240,298 1,068,855 977,081 637,781 525,124 12,254,275
	Totals, leading industries	121	1,399	3,032,086	18,876,522	5, 966, 091	25,091,312
	Totals, all industries	178	1,769	3,856,186	19,947,082	7, 391, 294	27, 670, 896

See footnote 1, Table 1, page 20.
 Reported on a production basis.
 Includes: Bags, cotton and jute; Fertilizers; Printing and publishing; Slaughtering and meat packing.

TABLE 7. Principal Statistics of the Leading Industries of Nova Scotia, 1959

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
1		num	ber		dolla	rs	
4 5 6 7 8 9 10 11 12 13 14 15 16 17	Primary iron and steel. Pish processing Pulp and paper Shipbuilding Sawmills Butter and cheese Bread and other bakery products Printing and publishing Milk pasteurizing Sash, door and planing mills Knitted goods, other than hosiery Confectionery Miscellaneous food preparations Pruit and vegetable preparations Carbonated beverages Feeds, stock and poultry, prepared Miscellaneous wood products n.e.s. All other leading industries Totals, leading industries Totals, all industries	3 142 3 17 486 19 73 26 30 47 3 6 11 20 27 15 6 19 953	3, 629 3, 882 1, 235 2, 206 2, 077 714 933 906 465 673 875 850 229 531 262 116 108 4, 079 23, 770 28, 168	16, 931, 552 8, 450, 421 4, 969, 381 8, 442, 740 3, 329, 822 2, 076, 369 2, 379, 764 3, 253, 910 1, 410, 009 1, 772, 995 1, 848, 487 1, 832, 457 558, 552 1, 016, 076 833, 891 296, 079 330, 545 15, 935, 517 75, 668, 367 87, 694, 029	29, 851, 584 33, 250, 618 8, 509, 747 5, 316, 872 9, 051, 411 8, 052, 034 4, 682, 338 1, 551, 662 4, 852, 548 4, 269, 945 3, 517, 928 3, 872, 634 3, 140, 512 3, 288, 046 1, 603, 359 3, 833, 942 1, 564, 176 74, 966, 570 205, 176, 126 223, 016, 082	22,876,715 14,628,592 11,771,118 10,836,353 6,353,444 3,745,188 4,537,992 6,293,235 2,151,665 2,495,133 3,413,483 2,171,726 2,378,490 3,414,908 1,121,693 1,173,148 37,720,642 139,465,214	55, 753, 544 47, 042, 78; 21, 506, 45; 16, 335, 70 15, 719, 93; 12, 120, 96; 9, 604, 46; 7, 925, 573 7, 224, 901 6, 972, 411 6, 852, 23 6, 009, 611 5, 603, 717 5, 408, 412 5, 175, 508 5, 000, 831 2, 734, 436 120, 780, 720 357, 972, 075

¹ See footnote 1, Table 1, page 20.
² Reported on a production basis.
³ Includes: Breweries; Cotton yarn and cloth; Boxes and bags, paper; Bridge and structural steel work; Wire and wire goods; Miscellaneous iron and steel products; Aircraft and parts; Railway rolling stock; Salt; Coke and gas; and Petroleum products.

TABLE 8. Principal Statistics of the Leading Industries of New Brunswick, 1959

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
		num	ber		do1	lars	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Pulp and paper Sawmills Fish processing Slaughtering and meat packing Butter and cheese Miscellaneous food preparations Bread and other bakery products Sash, door and planing mills Feeds, stock and poultry, prepared Heating and cooking apparatus Frinting and publishing Fertilizers Carbonated beverages Boxes and bags paper Sheet metal products Biscuits Machine shops Milk pasteurizing Frootwear, leather Confectionery Other leading industries Totals, leading industries Totals, all industries	8 309 99 4 300 12 566 59 16 3 3 19 7 7 3 14 21 3 4 4 10 713	4, 049 2, 392 2, 439 443 536 892 747 173 642 650 120 210 235 123 206 260 150 314 294 3, 293 18, 531	18, 615, 616 4, 755, 900 3, 695, 659 1, 747, 473 1, 481, 650 767, 351 2, 291, 318 1, 807, 614 466, 667 1, 953, 290 2, 223, 128 633, 097 655, 737 351, 757 505, 252 934, 780 403, 693 720, 295 632, 137 12, 522, 269 57, 588, 540 63, 872, 872	41, 724, 984 13, 739, 397 14, 942, 377 11, 155, 626 8, 546, 021 7, 086, 366 5, 108, 053 5, 702, 472 6, 968, 594 1, 059, 804 1, 128, 722 2, 324, 598 1, 736, 275 1, 248, 900 500, 004 1, 494, 418 1, 193, 953 1, 077, 944, 914 167, 754, 126	45, 584, 506 8, 637, 406 7, 759, 847 1, 919, 023 3, 023, 006 3, 621, 945 5, 097, 327 3, 134, 077 3, 655, 362 1, 399, 058 2, 350, 896 1, 263, 187 928, 704 1, 350, 992 1, 982, 920 819, 215 1, 192, 506 1, 062, 518 23, 399, 927 122, 618, 786	96, 446, 309 22, 732, 964 22, 241, 140 13, 415, 262 11, 972, 063 10, 915, 340 10, 602, 898 9, 239, 259 7, 993, 493 6, 909, 836 4, 792, 741 4, 252, 004 3, 622, 615 3, 619, 440 2, 679, 844 4, 627, 642 2, 524, 160 2, 394, 032 2, 373, 057 2, 222, 154 59, 395, 756 302, 972, 009 325, 478, 717

¹ See footnote 1, Table 1, page 20. ² Reported on a production basis.

SECTION 3. THE MANUFACTURES OF QUEBEC

Quebec with about 30 per cent of Canada's total selling value of factory shipments ranks as the second largest industrial province in Canada. The manufacturing industries of Quebec in 1959 shipped goods with a record selling value at the factory of \$6,916,199,594 and represents an increase of 2.4 per cent over 1958. The increase in the number of employees was 0.4 per cent and salaries and wages 4.8 per cent. The upturn in manufacturing production in Quebec during 1959 was only moderate and did not keep pace with the expansion reported for Canada as a whole. This is indicated by the increase of only 0.4 per cent in the number of employees in Quebec as compared with an increase of 1.1 per cent for Canada as a whole. This same trend was established for value of factory shipments. Quebec reported an increase of 2.4 per cent and Canada as a whole 5.2 per cent. In spite of increased shipments of 2.4 per cent employment was up only 0.4 per cent. This result conforms to the trend in recent years for employment to increase at a lower rate than the volume of production. With the increase in automation and technological improvements this trend will in all probability continue at an accelerated pace. Indications of this trend is the increase since 1949 for Canada as a whole of 48.9 p.c. in the volume of production as compared with an increase of only 11.3 p.c. in the number of persons employed. Since indexes of volume of production are not available by provinces no direct comparisons can be made for Quebec. There is no doubt, however, that the volume of production in Quebec in 1957 was the highest on record, since the number of persons employed that year totalling 449,383 was also the highest on record. With the decline of 4.0 p.c. in the number of employees in 1959 as compared with 1957 it is almost certain that the volume of production also declined in 1958 and 1959, although not to the same extent.

The recovery from the minor depression of 1954 which began in 1955 continued at an accelerated pace in 1956. This expansion in manufacturing production continued until the fall of 1957 when another downturn began. In spite of the slowing down in production, the manufacturing industries of Quebec managed to record an increase of 2.0 p.c. in selling value of factory shipments between 1956 and 1958, bringing the total to \$6,754,798,278 to a record level, In employment however, there was a loss between 1956 and 1958 of 3.8 p.c. as compared with a loss of 4.7 p.c. for Canada as a whole. As already noted, some improvement took place in 1959, with an increase of 2.4 p.c. in value of factory shipments and 0.4 p.c. in the number of persons employed. The non-durable goods or consumer

goods industries which contributed 63.7 p.c. of the total manufacturing production of the Province in 1959 reported an increase of 0.9 p.c. in the number of persons employed while the durable goods industries which were more severely affected by the minor recession still recorded a decline of 0.3 p.c. between 1958 and 1959.

On the basis of employment provided, the non-durable or consumer goods industries in 1959 contributed 274,615 or 63.7 p.c. of the total manufacturing employment in Quebec, while the durable goods industries contributed the balance of 156,622 or 36.3 p.c. of the total. The clothing industries constituted the leading group in the non-durable goods sector with 55.322 employees. They were followed by foods and beverages with 49,429, paper products 36,597, textiles 36,459. chemicals and allied products 21,291, printing, publishing and allied industries 20,438, leather products 16,245, miscellaneous industries 11,733, knitting mills 10,616, tobacco and tobacco products 7,381, rubber goods 5,748 and products of petroleum and coal 3,356. In the durable goods sector the industries producing iron and steel products with 41,067 employees ranked as the major group. This was followed by wood products with 31,853, transportation equipment 30,727, electrical apparatus and supplies 23,031, non-ferrous metal products 17,148 and non-metallic mineral products 12,796.

In the non-durable goods sector the trend in physical output, as represented by the variation in the number of employees, was mixed between 1957 and 1959. Compared with 1957, the year of record employment for manufacturing as a whole in Quebec, eight of the groups reported decreases, three reported increases and one, viz. leather products, remained practically unchanged. For the non-durable goods sector as a whole there was a drop of 1.5 p.c. in the number of employees between 1957 and 1959. Of the groups reporting lower employment, rubber goods with a drop of 10.6 p.c. was the most severely affected. This was followed by tobacco and tobacco products with a decrease of 8.0 p.c., textiles 5.4 p.c., products of petroleum and coal 4.8 p.c., clothing 2.7 p.c., chemicals and allied products 2.5 p.c., printing, publishing and allied industries 1.0 p.c. and paper products 0.3 p.c. Of the three groups reporting higher employment, miscellaneous industries with an increase of 6.7 p.c. was first, followed by knitting mills with an increase of 2.4 p.c. and foods and beverages 1.7 p.c. in the durable goods sector all groups, with the exception of nonmetallic mineral products which reported an increase of 6.8 p.c., reported lower employment. The greatest decline of 18.9

Reported on a production basis.

Includes: Breweries; Brass and copper products; Brooms, brushes and mops; Cement, hydraulic; Railway rolling stock; Shipbuilding and Sugar refining.

p.c. was reported by the transportation equipment group, followed by iron and steel products with 10.7 p.c., electrical apparatus and supplies 4.5 p.c., wood products 3.3 p.c. and non-ferrous metal products 3.0 p.c. For the durable group as a whole the decline in employment between 1957 and 1959 was 8.2 p.c.

The change in the pattern of manufacturing employment in Quebec between 1953 and 1959 is illustrated in the table following. During this period there was a loss of employment in the durable goods industries of 7.5 p.c. while for industries producing non-durable goods there was an increase of 0.9 p.c. As a result of this change in the pattern of employment the non-durable goods industries increased their proportion of the total manufacturing employment from 61.6 p.c. in 1953 to 63.7 p.c.

in 1959, while the durable goods industries declined in importance to 36.3 from 38.4 p.c. Six of the industries of the non-durable goods sector reported higher employment between 1953 and 1959, ranging between 18.6 p.c. for the miscellaneous industries group to 3.1 p.c. for chemicals and allied products, Six groups reported declines which ranged between 14.5 p.c. for products of petroleum and coal to 1.6 p.c. for tobacco and tobacco products. In the durable goods sector two groups, viz. non-metallic mineral products and electrical apparatus and supplies reported increases of 27.2 and 12.6 p.c. respectively. The remaining four groups reported lower employment. Transportation equipment lost 29.8 p.c., non-ferrous metal products 6.9 p.c. wood products 6.2 p.c. and iron and steel products 3.8 p.c.

Pattern of Manufacturing Employment in Quebec, 1959 and 1953

	Empl	Employees Percentage of the total			Percentage variation.
	1959	1953	1959	1953	1953 - 59
Non-durable goods: Foods and beverages Tobacco Rubber products Leather products Leather products Clothing Paper products Printing, publishing and allied industries Printing, publishing and coal Chemicals and allied products Miscellaneous industries Totals Durable goods: Wood products Iron and steel products Iron and steel products Iron and steel products	7, 381 5, 748 16, 245 36, 459 10, 616 55, 322 36, 597 20, 438 3, 356 21, 291 11, 733 274, 615	44, 929 7, 503 6, 283 17, 855 41, 009 10, 274 59, 611 32, 476 17, 806 3, 924 20, 649 9, 890 272, 209	11. 4 1. 7 1. 3 3. 8 8. 5 2. 5 12. 8 8. 5 4. 7 0. 8 5. 0 2. 7 63. 7	10. 2 1. 7 1. 4 4. 0 9. 3 2. 3 13. 5 7. 4 4. 0 0. 9 4. 7 2. 2 61. 6	+ 11.0 - 1.6 - 8.5 - 9.0 - 11.1 + 3.3 - 7.2 + 12.7 + 14.5 + 3.1 + 18.6 + 0.9
Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Totals Grand totals	31, 853 41, 067 30, 727 17, 148 23, 031 12, 796 156, 622 431, 237	33, 972 42, 683 43, 745 18, 426 20, 458 10, 062 169, 346 441, 555	7. 4 9. 5 7. 1 4. 0 5. 3 3. 0 36. 3	7.7 9.7 9.9 4.2 4.6 2.3 38.4	- 6.2 - 3.8 - 29.8 - 6.9 + 12.6 + 27.2 - 7.5

Quebec has developed its \$6,9 billion manufacturing output with such leading industries as pulp and paper, non-ferrous metal smelting and refining, petroleum products, slaughtering and meat packing, cotton yarn and cloth, men's and women's clothing, tobacco, cigars and cigarettes, synthetic textiles and silk, railway rolling stock, leather footwear and miscellaneous electrical apparatus. In common with the rest of Canada, Quebec experienced a great industrial expansion confined to the existing industrial areas, but spread to many towns and villages in the accessible areas of the province.

Quebec's leading industry is pulp and paper with an output of approximately \$585 million in 1959. Quebec is a principal world centre for the production of newsprint with 55 major pulp and paper plants concentrated in the Trois Rivieres and Shawinigan Falls districts as well as along the Saguenay, Ottawa, and St. Lawrence rivers. The production of non-ferrous metals has expanded considerably during the past decade. The output of aluminum in Canada has made impressive strides during the past years and reached a record total of 634,000 tons in 1958 as compared to 593,630 tons in 1959. Quebec, with its new furniture factories, its new titanium smelter and its expanded aluminum-making facilities, is challenging Ontario's long established lead in a number of the wood and non-ferrous metal products industries.

There are several important factors which contributed to the great industrial development of the Province. To begin with, the geographic situation of the Province is extremely favourable, with an excellent large harbour 800 miles inland where seagoing vessels of heavy tonnage can dock. There is also an extensive highway system linking the small rural areas to the big industrial centres. Other significant factors include abundant forest resources, water power, minerals, agricultural lands and, of even more importance, an industrious and stable population.

Quebec is the richest of the provinces in available water power resources, its present hydro installations of 11,315,407 h.p. representing about 45 p.c. of the total for Canada. The province continued to expand its hydro-electric power facilities during 1959 with a net capacity increase of 1,457,800 h.p. Most of the developed sites are owned by private corporations but the provincial government through its Quebec Hydro-Electric Commission is the major producer in the hydro-electric field. The largest single hydro-electric station in Canada, the Commission's Beauharnois development on the St. Lawrence River about 30 miles upstream from Montreal, has an installed capacity of 1,718,800 h.p. Its total capacity will be increased to 2,235,000 h.p. in 1961 when the final section of the development is brought into operation. The Commission's Bersimis I plant of the Bersimis River was completed in 1958 raising the total plant capacity to 1,200,000 h.p. Bersimis II, to be completed in 1960 will provide an additional 855,000 h.p. Four other Commission developments totalling 354,000 h.p. are located on the St. Lawrence and Ottawa Rivers. In 1959 construction was begun by the Commission for the installation of 840,000 h.p. in 14 units on the Ottawa River at Carillon, some 50 miles from Montreal. The Aluminum Company of Canada has the second largest installed capacity in the province with four developments on the Saguenay and Peribonca Rivers totalling 2,040,000 h.p. The Chute des Passes development under construction on the Peribonca will add another 1,000,000 h.p. when completed in 1960. The Shawinigan Water and Power Company, which supplies power for the area between Montreal and Quebec and southward across the St. Lawrence River, has seven plants on the St. Maurice River with a total

capacity of 1,753,500 h.p. - the seventh, at Rapide Beaumont, was completed in 1958-and about ten smaller developments on other rivers. Quebec thus excels in both the size of its hydro-electric installations as well as in the magnitude of horse power developed.

Two of the most important industrial developments in Quebec today are the Ungava iron ore project and the new titanium industry. With the exploitation of the Ungava iron deposits on which it is believed, the future of the great steel industries of this Continent rests, Quebec's industrial base is being expanded to the point where the future industrial development of this Province is well assured.

Quebec's industries are not as diversified as those of Ontario, although a number have an output approximately half or more of the total Canadian production. The manufacture of pulp and paper occupies the premier position. Fifty years ago this industry had hardly come into existence in the Province and in the mid-1920's the annual gross value of production had not yet reached \$1,000,000. By the end of 1959 it accounted for about 8 p.c. of the gross value of Quebec's manufactures and for about 39 p.c. of the Canadian total for this industry. Other large industries in which Quebec predominates, with their percentage of the Canadian total, are: tobacco, cigars and cigarettes 86.1; women's factory clothing 69.7; cotton yarn and cloth 68.3; leather footwear 55.5; men's factory clothing 54.4; synthetic textiles 49.8; miscellaneous electrical apparatus and supplies 47.0; medicinal and pharmaceutical preparations 45.6; aircraft and parts 43.6; railway rolling stock 43.3; shipbuilding and repairs 43.0; non-ferrous metal smelting and refining 40.8; pulp and paper 39.0; acids, alkalies and salts 37.3; miscellaneous chemical products 34.2; brass and copper products 33.5; furniture 33.4 and petroleum products 32.1.

Quebec also predominates in a large number of the smaller industries. The oiled and waterproofed clothing industry with 100 per cent of the Canadian total was the leading industry in this category. Other industries with their percentage of the total are: candles 93.3; women's clothing contractors 94.3; men's clothing contractors 91.4; cotton thread 82.1; children's clothing 80.1; narrow fabrics 79.3; process cheese 77.3; embroidery pleating and hemstitching 75.3; dyeing and finishing of textiles 74.1; oilcloth, linoleum and other coated fabrics 72.0; boot and shoe findings, leather 71.8; lasts, trees and shoe findings 70.6; fur dressing and dyeing 70.5; miscellaneous clothing 69.8; fur goods 58.5; corsets 57.9; buttons, buckles and fasteners 57.0; miscellaneous textiles 55.6; artificial flowers and feathers 53.5; woollen cloth 51.3 and asbestos products 49.8.

Manufacturing establishments reporting in 1959 numbered 11,584. These plants furnished employment to 431,237 persons who received \$1,546,932,670 in salaries and wages. They also shipped goods with a selling value at the factory of \$6,916,199,594 and paid out \$3,749,731,529 for materials used. The value added by manufacture totalled \$2,998,776,012.

TABLE 9. Principal Statistics of the Forty Leading Industries of Quebec, 1959

manufacture¹ ars 293, 758, 804 135, 582, 667 72, 465, 280³ 47, 667, 363 85, 514, 022 83, 503, 208 103, 927, 424 31, 171, 061 55, 351, 195 92, 479, 810 42, 101, 020 53, 322, 841 42, 101, 020 53, 322, 841 57, 393, 976 39, 886, 723 47, 890, 320 47, 890, 320 47, 890, 320 48, 431, 569 54, 212, 098 44, 206, 725	585, 233, 081 533, 922, 346 5371, 207, 394 ² , 3 245, 958, 467 182, 802, 251 181, 618, 664 181, 018, 934 157, 702, 047 148, 912, 331 142, 746, 128 ² 141, 852, 048 115, 609, 304 ² 110, 976, 612 110, 186, 411 109, 090, 942 103, 244, 964 99, 367, 904 98, 540, 158 96, 080, 907 89, 631, 767
135, 582, 667	533, 922, 346
72, 465, 280³	371, 207, 304 ² , 3
47, 667, 363	245, 958, 467
85, 514, 022	182, 802, 251
83, 503, 208	181, 618, 664
103, 927, 424	181, 018, 934
31, 171, 061	157, 702, 047
55, 351, 195	148, 912, 331
92, 479, 810	142, 746, 128 ²
56, 632, 341	141, 852, 048
42, 101, 020	115, 609, 304 ²
53, 322, 841	110, 976, 612
57, 393, 976	110, 186, 411
39, 886, 723	109, 909, 942
47, 890, 320	103, 244, 964
36, 911, 710	98, 367, 904
48, 431, 569	98, 540, 158
54, 212, 098	96, 080, 907
103, 927, 424	181, 018, 934
31, 171, 061	157, 702, 047
55, 351, 195	148, 912, 331
92, 479, 810	142, 746, 128 ²
56, 632, 341	141, 852, 048
42, 101, 020	115, 609, 304 ²
53, 322, 841	110, 976, 612
57, 393, 976	110, 186, 411
39, 886, 723	109, 090, 942
47, 890, 320	103, 244, 964
36, 911, 710	99, 367, 904
48, 431, 569	98, 540, 158
54, 212, 098	96, 080, 907
42,101,020	115, 609, 304 ²
53,322,841	110, 976, 612
57,393,976	110, 186, 411
39,886,723	109, 090, 942
47,890,320	103, 244, 964
36,911,710	99, 367, 904
48,431,569	98, 540, 158
54,212,098	96, 080, 907
36, 911, 710	99,367,904
48, 431, 569	98,540,158
54, 212, 098	96,080,907
44, 339, 315	88, 894, 219
14, 781, 173	84, 876, 299
30, 635, 694	84, 822, 528 ²
57, 086, 734	82, 374, 420
42, 571, 541	78, 205, 292 ²
53, 739, 120	76, 876, 675
47, 285, 057	75, 939, 368
34, 777, 843	75, 038, 298
22, 420, 141	67, 066, 425
46, 171, 871	65, 703, 039
28, 756, 648	64, 162, 386 62, 254, 234 61, 566, 155 61, 509, 090 ²
23, 325, 559	56,060,262
36, 704, 030	55,935,997
24, 377, 473	55,768,406
21, 036, 797	55,709,811
	5,185, 156, 466
2, 998, 776, 012	6,916, 199, 594
	53, 739, 120 47, 285, 057 34, 777, 843 22, 420, 141 46, 171, 871 47, 529, 629 38, 380, 122 24, 182, 525 28, 756, 648 36, 750, 748 33, 223, 099 23, 325, 559 36, 704, 030 24, 377, 473 21, 036, 797 2, 192, 485, 276

See footnote 1, Table 1, page 20.
 Reported on a production basis.
 Not exactly comparable with 1958 because of a change in the method of valuation.

SECTION 4. THE MANUFACTURES OF ONTARIO

The downturn in manufacturing production which began in the fall of 1957 continued throughout 1958, Ontario being the largest producer of durable goods which are more affected by changes in the business cycle was consequently affected more than any other major industrial province. The recovery in production which occurred in 1959 was, therefore, more pronounced in Ontario than in most of the other provinces. The value of factory shipments were 7.4 p.c. higher as against an increase of 5.2 p.c. for Canada as a whole, while the number of persons employed were 1.5 p.c. higher in Ontario and 1.1 p.c. for Canada. Selling value of factory shipments in 1959 at \$11,668,460,562, valued added by manufacture at \$5,332,081,500 and salaries and wages paid at \$2,564,684,234 were all the highest on record. The number of employees, although higher than in the previous year, were still some 4.4 p.c. short of the record attained in 1957. This is in line with the trend in recent years for the same volume of output to be produced with fewer employees. With the increase in automation and technological improvements this trend will in all probability continue at an accelerated pace. Indicative of this trend is the increase since 1949 for Canada as a whole of 48.9 p.c. in the volume of production as compared with an increase of only 11.3 p.c. in the number of persons employed, Since indexes of volume of production are not available by provinces no direct comparison can be made for Ontario. As Ontario produces about half of the Canada total there is no doubt that the trend in Ontario was similar to that for Canada as a whole.

Ontario, which is now recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Here, the proximity of raw materials, cheap hydro-electric power, and a strategic location in relation to export markets, not only on this continent but overseas, have been the decisive factors in the development of Ontario to its present industrial position. Most of the manufactures of the province and most of its population are located in Southern Ontario. This area has the inestimable advantage of bordering on the St. Lawrence-Great Lakes waterway system which gives access westward to the heart of the continent and eastward to the shipping routes of the world, and which is also the source of most of Ontario's hydro-electricity. Many new industrial areas are being created as new industries and branch plants of established industries are increasingly being located in the smaller towns.

As Ontario is a major producer of durable goods, such as transportation equipment, primary iron and steel, telecommunication equipment and heavy electrical machinery, it therefore experiences wider fluctuations in manufacturing production than provinces producing non-durable or consumer goods. As a result, the small downturn of 1954 was more keenly felt by Ontario manufacturers. Factory shipments in that year were 3.9 p.c. lower as compared with a drop of 1.3 p.c. for Canada as a whole, while in employment the drop in Ontario was 5.6 p.c. while for Canada it was 4.5 p.c. Conversely, with the improvement during the following three years Ontario in 1957 reported an increase of 29.8 p.c. in factory shipments and 7.6 p.c. in employment as compared with 1954. This compares with increases of 26.4 p.c. and 7.2 p.c. for Canada as a whole. The minor depression of 1958 followed the usual pattern. In comparing employment and shipments with 1957 it is found that in employment Ontario manufacturers suffered a loss of 5.8 p.c. as compared with 5.1 p.c. for Canada as a whole, while in the case of shipments the declines were 1.9 and 0.1 p.c. respectively. As already mentioned, the upturn in 1959 followed the expected trend. The increase in employment and value of shipments were both higher in Ontario than for Canada as a whole.

On the basis of employment provided, the durable goods industries in 1959 contributed 317,875 or 51.6 p.c. of the total manufacturing employment in Ontario, while the non-durable or consumer goods industries contributed the balance of 297,871 or 48.4 p.c. Iron and steel was the leading group in the durable goods sector with 125,024 employees in 1959. It was followed by transportation equipment with 62,928, electrical apparatus and supplies 48,334, wood products 33,006, non-ferrous metal products 26,897 and non-metallic mineral products 21,686, in the non-durable goods sector, the industries producing foods

and beverages with 79,019 employees comprised the major group. This was followed by printing, publishing and allied industries with 37,163, paper products 36,384, chemicals and allied products 27,489, textiles 24,282, clothing 23,210, miscellaneous industries 23,079, rubber goods 15,285, leather products 13,217, knitting mills 8,771, products of petroleum and coal 7,077 and tobacco and tobacco products 2,895.

As mentioned previously, manufacturing employment in Ontario rose 1.5 p.c. in 1959 as compared with the previous year. Producers of non-durable goods reported a rise of 1.7 p.c. while producers of durable goods in which Ontario predominates reported a rise of 1.4 p.c. All of the groups in the durable goods sector, with the exception of transportation equipment and electrical apparatus and supplies, reported increases in employment. The largest increase of 10.7 p.c. was reported by the iron and steel group, followed by 9.1 p.c. for non-ferrous metal products, 5.4 p.c. for non-metallic mineral products and 1.6 p.c. for wood products. Employment in the transportation equipment group declined 13.4 p.c. and in the electrical apparatus and supplies group 3.3 p.c. In the non-durable goods sector the trend was also mixed, with two groups reporting lower employment and ten groups higher employment. The two groups reporting fewer employees were: textiles with a drop of 2.1 p.c. and products of petroleum and coal with a drop of 1.1 p.c. For the ten groups reporting higher employment, the increases ranged between 7.9 p.c. for rubber products and 0.5 p.c. for clothing.

Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance and in 1959 produced about 50 per cent of the nation's manufactured goods. A vast increase of steel ingot capacity is being made possible by developments of Steep Rock Iron Mines. At Sarnia, huge investments have gone into the construction of a new plant for a whole group of new products based on Alberta oil flowing through the Edmonton-Superior pipe line. Other significant developments are taking place in synthetic rubber, synthetic textiles, and industrial and consumer chemicals. Ontario has continued to gain in such traditional lines as motor vehicles, industrial and farm machinery, and the manufacture of household equipment. The same may be said of other "hard" goods like business and office machinery and electrical apparatus and supplies. Numerous plants making aircraft components and building materials have favoured the Toronto area, while chemical and synthetic textile plants have been rising in the vicinity of Sarnia and along the lower reaches of the St. Lawrence River between Cornwall and Kingston.

Ontario has the greatest diversification of manufacturing production of any province. Certain industries, such as the manufacture of motor vehicles, motor vehicle parts, heavy electrical machinery, agricultural implements, machine tools, starch and glucose, and the processing of raw tobacco are carried on practically in this province alone. Of the forty leading industries in Canada in 1959, a substantial number of them were dominated by Ontario's share of the total production. These industries, with the percentage which the production of each bears to that of the 1959 Canada totals are as follows: motor vehicles 98.3, motor vehicle parts 93.9, heavy electrical machinery 88.2, rubber goods 82.3, primary iron and steel 81.1, telecommunication equipment 75.3, miscellaneous paper products 69.7, iron castings 69.2, fruit and vegetable preparations 68.8, industrial machinery 64.2, brass and copper products 59.9, miscellaneous chemical products 59.4, printing and bookbinding 58.7, sheet metal products 58.5, acids, alkalies and salts 53.9, boxes and bags, paper 49.9, miscellaneous electrical apparatus and supplies 48.9, printing and publishing 48.3, furniture 48.2, synthetic textiles 47.8, and aircraft and parts 46.4.

There are also a number of medium-sized industries with a total Canadian production of over \$100,000,000 in which Ontario dominates. In this group are: agricultural implements 92.1 p.c., soaps and washing compounds 89.5, household and office machinery 83.2, refrigerators, vacuum cleaners, etc. 76.6, hardware, tools and cutlery 73.1, heating and cooking apparatus 68.7, confectionery 59.2 and boilers, tanks and plate work 56.1.

In addition, Ontario dominated many of the smaller industries in 1959 as indicated by the following percentages of the Canadian total. In this category were: machine tools 100.0 tobacco processing and packing 97.3, miscellaneous non-ferrous metal products 91.3, bicycles 91.0, prepared breakfast foods 90.3, wine 87.5, typewriter supplies 86.4, leather tanneries 83.8, cordage, rope and twine 83.4, sporting goods 79.3, automobile accessories, fabric 79.2, artificial abrasives 78.6, jewellery and silverware 74.5, toys and games 74.3, white metal alloys 73.7, wool yarn 69.4, feed mills 68.7, carpets, mats and rugs 67.7, batteries 67.6, aluminum products 58.3. animal oils and fats 57.4, etc.

Establishments reporting in 1959 numbered 13,081. They furnished employment to 615,746 persons who were paid \$2,564,684,234 in salaries and wages, and spent \$6,190,618,182 for materials used. The value added by manufacture which is the calculated value of production less the cost of materials used, including the cost of fuel and electricity, amounted to \$5,332,081,500, while the selling value of factory shipments totalled \$11,668,460,562.

TABLE 10. Principal Statistics of the Forty Leading Industries of Ontario, 1959

	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
0.		num	ber		dolla	ıs	
		10	27,563	143,080,431	581,763,830	346, 456, 726	912,947,542
	Motor vehicles	18	25,775	140,448,660	289,627,758	317, 296, 144	634,450,504
2 1	Primary iron and steel	9	10,945	52,622,066	342,991,377	216,043,297	579,226,735
	Non-ferrous metal smelting and refining	40	20,471	100, 496, 926	205,584,420	217, 350, 819	452, 432, 366
	Pulp and paper	65	9,863	43,937,503	335, 180, 228	75,504,998	414,562,142
					202 214 222	E0 050 5003	359,924,901
6	Petroleum products	15	5,490	33, 148, 511	283,814,938	58,656,5363	303,657,942
	Motor vehicle parts	123	17,218	79, 268, 733	163, 554, 548	141,791,017	
8	Rubber goods, including footwear	47	15, 285	66,490,900	133,613,414	154, 596, 027	285, 983, 867
9	Machinery, industrial	226	15,312	67, 953, 704	95, 456, 838	130,670,274	220,442,94
10	Sheet metal products	247	12,384	54,958,121	118, 172, 454	97,095,936	213,940,75
11	Machinery, heavy, electrical	58	15,280	72,771,964	78,467,650	130,802,800	206, 207, 93
2	Fruit and vegetable preparations	167	10,072	30,796,714	112,485,286	78,459,887	197,041,52
	Butter and cheese	371	7,717	29,303,543	140, 187, 417	45,514,909	189,783,30
	Miscellaneous electrical apparatus and supplies	107	11,778	48,834,791	95, 526, 086	93,773,423	188, 197, 65
15	Castings, iron	85	10,295	45,827,617	97,090,644	78,780,694	176,501,43
-		0.5	10 749	49,300,707	85, 259, 485	94, 475, 455	169,519,86
	Telecommunication equipment	85	12,742	64,701,988	43, 786, 450	123,022,848	167, 901, 25
	Printing and publishing	281 794	13,986	59, 300, 826	62, 985, 323	103,920,753	166,653,61
	Printing and bookbinding			27, 266, 459	71, 430, 450	72,338,540	160, 458, 47
19	Acids, alkalies and salts	29 751	5, 250 15, 315	52, 482, 943	77, 437, 346	80,733,642	158,880,28
20	Furniture	101	10,010	02,102,010			
21	Agricultural implements	27	12,544	58, 255, 517	94,698,736	70,797,906	157, 390, 39
22	Miscellaneous food preparations	113	4,790	19,586,697	92,932,535	60,047,457	155, 395, 87
23	Boxes and bags, paper	110	8,770	33, 329, 666	93, 154, 923	61,267,019	154,433,0
24	Aircraft and parts	34	10,302	56,857,199	70,974,771	79,249,307	152,009,9
25	Bread and other bakery products	815	15, 315	48,781,882	66, 274, 392	76,451,878	147, 285, 1
26	Miscellaneous chemical products	128	5, 144	25, 288, 992	62, 582, 568	61,347,894	130,058.6
27	Hardware, tools and cutlery	305	10,532	42,660,968	47, 192, 409	78,238,402	124,685,5
28	Refrigerators, vacuum cleaners and appliances	56	7,031	29,062,873	61,973,165	64,488,086	123,652,4
29	Miscellaneous paper products	104	6,753	26, 272, 135	65, 935, 977	56,439,427	123, 236, 9
30	Soans, washing compounds and cleaning prep-					69,219,788	122,675,9
	arations	64	3,320	15,984,995	.50,486,802	69, 219, 100	122,010,0
31	Brass and copper products	92	5, 544	24, 134, 394	72,437,629	46,541,103	120,052,5
32		46	6,420	28,999,293	58, 176, 544	59,506,765	117, 451, 0
33	Feeds, stock and poultry, prepared	344	2,753	9, 111, 642	82,839,234	30,739,598	114,949,7
34	Tobacco processing	10	1,721	4,503,118	98,915,294	9,980,896	109, 189, 4
35	Breweries	18	2,861	15, 276, 420	23, 195, 193	79,507,293	103, 405, 3
				07 07 410	E7 072 420	41, 584, 194	99,209,0
36				27,037,412	57,073,439	49,371,679	99,084,9
37		-		24,658,004	52, 436, 476	57, 106, 422	98,884,5
38	Synthetic textiles and silk	13		22,023,852	39,714,735		92,673,
39	-	1		9,719,549	27,923,887		91,512,6
40	Concrete products			22,759,505	40, 216, 253		
	Totals, leading industries	6, 236	405,876	1,807,297,220	4,673,550,904	3, 824, 322, 264	8,595,951,1 11,668,460,1

See footnote 1, Table 2, page 20.
 Reported on a production basis.
 Not exactly comparable with 1958 because of a change in the method of valuation.

SECTION 5. THE MANUFACTURES OF THE PRAIRIE PROVINCES

The leading industries of the Prairie Provinces are those based on agricultural resources - grain-growing, cattle-raising and dairying areas. Next in importance, generally, are industries providing for the more necessary needs of the resident population, such as the baking of bread, printing and publishing, etc. The extensive railway services require large shops for the maintenance of rolling-stock, especially in the Winnipeg area. The widespread use of motor vehicles and power machinery on farms has given rise to petroleum refineries in each province. This industry has made tremendous strides in the Prairie Provinces since 1949. At that time it ranked third in importance, being outranked by slaughtering and meat packing which was then in first place and by flour mills which ranked second. In 1956 it assumed the premier position in the Prairie Provinces in selling value of factory shipments but dropped to second place since then. Of greater significance is the fact that it has increased its proportion of the total manufacturing production of the Prairie Provinces from 8.5 p.c. in 1949 to 15.5 p.c. in 1958. In 1959 the proportion declined to 12.8 p.c. This, however, was not due to a decline in the importance of the industry but rather to a change in method of reporting unit values of petroleum products which in 1959 were reported at a lower level than was formerly the case. Manitoba, as the early commercial centre of the prairies, has had a greater industrial development than either of the other provinces. Its natural resources of accessible water power, forests and, more recently, minerals, have given rise to quite a diversification of industrial production. In Saskatchewan, while the main economic role continues to be played by agriculture, both oil and mineral wealth are being developed.

Considering the Prairie Provinces as an economic unit, slaughtering and meat packing with shipments valued at \$393,175,000 was the leading industry. Petroleum products with \$253,860,000 ranked second, followed by butter and cheese with \$116,719,000 and flour mills with \$94,099,000. These four industries accounted for about 43 per cent of the total value of factory shipments of the Prairie Provinces. Other leading industries, in order of value of factory shipments of \$20,000,000 or more were: non-ferrous metal smelting and refining, bread and other bakery products, railway rolling stock, printing and publishing, breweries, pulp and paper, concrete products, men's factory clothing, bridge and structural steel, sash, door and planing mills, furniture, sheet metal products, miscellaneous food preparations, prepared stock and poultry feeds, printing and bookbinding, hydraulic cement, sawmills, primary iron and steel, boxes and bags, paper, and aircraft and parts.

In water-power resources, the Prairie Provinces are not so well endowed as the more highly industrialized provinces of Quebec, Ontario and British Columbia. At the end of 1959 power installation in the three provinces totalled only 1,220,330 h.p. or about 5 p.c. of the Canadian total, Manitoba had 778,900 h.p., Saskatchewan 128,835 h.p. and Alberta 312,595 h.p. With the present development of natural gas and oil, the Prairie Provinces, will in large measure be able to overcome a lack of water-power resources which is so vital to industrial development.

In the Prairie Provinces, the nature of developments vary from one province to another. Alberta has moved to the forefront, especially since 1950. There the emphasis has been more on the manufacture of machinery and equipment for the burgeoning oil and gas industries. Chemicals, and especially petrochemicals, have made striking gains; second in terms of new growth, they now embrace various rayon intermediates and polythene plastics, as well as fertilizers and the manufacture of other new inorganic products like caustic soda and chlorine.

Sizeable gains have been made by the expansion of food-processing plants and the construction of still more factories for making building materials, transportation equipment, paper products and textiles. Based on the increase in employment between 1949 and 1959 the foods and beverages group with an increase of 2,476 employees reported the greatest expansion in production. This was followed closely by iron and steel products with an increase of 2,435 employees, chemicals and allied products 1,312, products of petroleum and coal 1,269 non-metallic mineral products 1,145, paper products 1,123 transportation equipment 842, printing, publishing and allied industries 767 and non-ferrous metal products 639. All groups reported increases in employment. The wood products group which in 1958 reported a drop of 485 employees as compared with 1949 had an increase of 20 employees in 1959.

Developments in Saskatchewan, by contrast, have continued along more or less traditional lines since 1949. The largest gain of 585 employees has been recorded by the products of petroleum and coal group which includes oil refineries. The second highest gain of 333 employees was reported by the non-metallic mineral products group which consists of a number of industries manufacturing building products. Considerable expansion was also reported by miscellaneous industries, foods and beverages, iron and steel products, paper products and printing, publishing and allied industries. Wood products with a drop of 298 employees was the only major group to report a decline in employment; this no doubt being due to the decline in the exports of lumber and its products during the past few years.

Although Manitoba experienced considerable development in manufacturing production since 1949, it did not, percentagewise, keep pace with the other two Prairie Provinces. The change was not so much in the magnitude but rather in the nature of manufacturing production. The emphasis has shifted from the production of food and clothing to the production of products of mineral origin, such as iron and steel, nonmetallic mineral products, electrical apparatus and products of petroleum and coal. There was also a wider diversification of products as is evidenced by the increase of 472 employees in the miscellaneous group. For manufacturing as a whole the increase in the number of employees totalled 1,189. The largest increase of 1,354 was reported by the iron and steel group. The non-metallic mineral products group with 782 reported the second largest increase, followed by miscellaneous industries with 370, products of petroleum and coal 278, electrical apparatus and supplies 259 and paper products 211. Only four groups reported major declines in employment: transportation equipment 812, clothing, including knitting mills 574, foods and beverages 463 and textiles 275. The foods and beverages group which in 1949 accounted for 25.3 p.c. of the total employment in manufacturing accounted for 23.5 p.c. of the total in 1959. The foods and beverages group with 10,163 employees was still in first place in 1959 as an employer of labour. This was followed by iron and steel products with 6,128, transportation equipment 5,850, clothing, including knitting mills 5,806, printing, publishing and allied industries 3,828 and wood products 3,302. These six groups accounted for 81 p.c. of the manufacturing employment in Manitoba.

According to the table following, manufacturing establishments in 1959 numbered 4,320 for the Prairie Provinces as a whole. These plants furnished employment to 95,206 persons who received \$353,537,254 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,978,146,470 and spent \$1,159,740,278 for materials, while the value added by manufacture totalled \$780,518,406.

Principal Statistics of the Prairie Provinces, 1959

	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nur	nber		thousands	of dollars	
Manitoba	1,830 4,320	43,145 12,539 39,522 95,206	153,998 47,034 152,505 353,537	422,094 213,377 524,269 1,159,740	308, 341 125, 877 346, 300 780, 518	743,509 347,320 887,317 1,978,146 23,311,601
Canada	36, 193	1,303.956	5,073,074	12,552,201	10, 320, 963	23,311,601

The expansion in manufacturing production in the Prairie Provinces between 1949 and 1959 kept pace with that of Canada as a whole. This is indicated by the Prairie Provinces' share of the Canadian total which amounted to 8.51 p.c. in 1949 and 8.49 p.c. in 1959. For the first few years production in these provinces lagged behind, the percentage of the total dropping from 8.51 in 1949 to 7.91 in 1953. In 1954 conditions were reversed. The Prairie Provinces reported an increase of of 1.4 p.c. in value of factory shipments as compared with a decline of 1.3 p.c. for Canada as a whole. This brought their share of the total to 8.13 p.c. In 1955 and 1956 conditions deteriorated again with the percentage of the total dropping to 7.62. The expansion which took place during 1957 to 1959

saw an improvement in the percentage to 8.49 of the total, almost equalling the 1949 percentage of 8.51.

According to the following table, Manitoba failed to keep pace with Canada as a whole in both employment and value of factory shipments, the percentages being 2.8 and 56.6 respectively as compared with the Canada percentages of 11.3 and 86.8. Alberta on the other hand forged ahead the rest of Canada. The number of employees increased 49.6 p.c. as compared with 11.3 p.c. for Canada, while in value of factory shipments the percentages were 138.5 for Alberta and 86.8 for Canada. Saskatchewan was ahead of Canada in employment but was below the Canada increase in shipments.

Variation in Employment and Factory Shipments, 1959 Compared with 1949

Province	Employees	Earnings	Selling value of factory shipments
		per cent	
Manitoba Saskatchewan Alberta Prairie Provinces Canada	+ 2.8 + 15.7 + 49.6 + 20.2 + 11.3	+ 78.9 + 111.2 + 176.7 + 116.3 + 95.7	+ 56.6 + 61.0 + 138.5 + 86.2 + 86.8

TABLE 11. Principal Statistics of the Leading Industries of Manitoba, 1959

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Value of factory shipments
		num	ber		dol	lars	
1.1	Slaughtering and meat packing	12	3,260	14, 217, 228	110, 293, 118	32,579,619	144,317,100
	Petroleum products	4	674	3,101,435	33,857,528	14,513,3792	49,613,455 ²
3	Butter and cheese	65	1,285	4,262,590	26,097,265	7,736,004	34, 371, 081
4	Railway rolling stock	4	3,735	14,977,125	17, 232, 399	15,933,110	33,653,4843
5	Clothing, men's factory	49	2,821	6,347,718	13,525,562	10,885,950	24,039,602
6	Furniture	117	1,980	6,513,832	12,615,844	10,133,554	22,865,887
7	Printing and publishing	75	1,966	7,126,101	5,906,172	14,468,476	20,506,686
8	Flour mills	7	462	1,534,837	15, 412, 468	4,153,318	19,900,592
9	Miscellaneous food preparations	21	612	2,160,317	12, 267, 897	6,408,408	19, 178, 713
10	Pulp and paper	3	561	2,643,458	5,892,722	10,997,143	18, 291, 308
11	Bread and other bakery products	147	1,807	6,079,843	7,506,415	9,171,206	17, 261, 520
12	Sheet metal products	34	1,125	4,166,167	7,302,149	7,583,417	14,777,849
13	Clothing, women's factory	25	1,541	4,198,632	8,368,814	6,177,196	14,590,152
14	Breweries	6	591	2,831,578	2,851,893	10,784,877	13,941,982
15	Printing and bookbinding	90	1,375	5,375,642	4,628,430	9,118,495	13,831,443
16	Boxes and bags, paper	10	646	2,141,745	7,454,030	4,321,502	11,702,617
17	Miscellaneous iron and steel products	15	741	3,055,988	4,727,314	6,247,954	11, 155, 106
18	Concrete products	16	735	3,010,421	4,647,267	5,031,567	10, 107, 148
19	Feeds, stock and poultry, prepared	38	240	792,605	7, 102, 962	2,561,510	9,814,807
20	Agricultural implements	16	506	1,850,990	4,580,084	3,730,705	8,062,210
21	Carbonated beverages	21	348	1,206,951	2,388,353	4,545,269	7, 121, 381
22	Paints, varnishes and lacquers	5	295	997,174	4,004,923	3,074,134	6, 898, 130
23	Biscuits	4	366	1,107,788	2,826,490	3,343,316	6, 191, 861
24	Bags, cotton and jute	(198	653,973	4,623,014	1,523,916	6, 167, 909
25	Miscellaneous paper goods		199	593,447	2,695,997	3, 434, 136	6,095,366
26	Machinery, industrial		450	1,760,759	2,461,243	2,887,470	5, 275, 330
27	Plastic products	1	244	809,160	2,890,625	2,136,915	5,079,338 5,013,250
28	Sash, door and planing mills	i	558	1,763,133	2,586,675	2,371,891	1
29	Other leading industries ⁴	14	4,407	19,480,688	28, 190, 308	37, 191, 760	70,431,870
	Totals, leading industries	859	33, 728	124, 761, 325	364, 937, 961	253, 046, 197	630, 257, 177
	Totals, all industries	1,607	43, 145	153,998,025	422,094,615	308,341,217	743, 509, 352

See footnote 1, Table 1, page 20.
 Not exactly comparable with 1958 because of a change in the method of valuation.
 Reported on a production bases.
 Includes Aircraft and parts; Bridge and structural steelwork; Cement, hydraulic; Gypsum products; Non-ferrous metal smelting and refining; Primary iron and steel and Sugar refining.

TABLE 12. Principal Statistics of the Leading Industries of Saskatchewan, 1959

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Value of factory shipments
3 4 5 6 7 8 9 10 11 12 13 14	Petroleum products Slaughtering and meat packing Flour mills Butter and cheese Bread and other bakery products Breweries Printing and publishing Sheet metal products Concrete products Carbonated beverages Sash, door and planing mills Sawmills Feeds, stock and poultry, prepared Printing and bookbinding All other leading industries Totals, leading industries Totals, all industries	9 10 9 55 97 5 89 8 20 28 25 248 11 35 8	1, 100 1, 500 705 1, 429 1, 046 362 1,176 271 298 263 418 541 8 7 249 1,011 10,456 12,539	5,882,726 6,577,425 2,894,925 4,577,229 3,499,168 1,803,480 4,041,354 1,015,423 1,037,587 885,081 1,376,232 675,576 279,291 4,705,929 40,212,917 47,033,816	dol 53, 740, 808 44, 822, 811 30, 917, 417 25, 682, 130 4, 520, 136 2, 567, 106 2, 276, 621 2, 3, 368, 611 2, 889, 088 1, 832, 023 2, 852, 556 1, 735, 931 2, 188, 642 20, 896, 137 200, 926, 673 213, 376, 697	23, 876, 931 14, 038, 118 9, 662, 953 8, 583, 036 6, 313, 476 7, 184, 944 7, 271, 869 2, 465, 270 2, 775, 415 3, 363, 870 2, 258, 310 11, 210, 440 818, 930 1, 454, 859 20, 933, 413 112, 211, 834 125, 877, 439	79, 792, 985 ² 4 59, 229, 988 40, 974, 229 35, 363, 707 11, 137, 669 10, 100, 026 9, 674, 850 5, 740, 266 5, 655, 780 5, 417, 099 5, 138, 177 3, 030, 883 ² 3, 024, 833 2, 109, 315 44, 071, 992 320, 461, 809 347, 320, 321

See footnote 1, Table 1, page 20.
 Reported on a production basis.
 Includes Castings iron, cement hydraulic, non-ferrous metal smelting and refining, and vegetable oils.
 Not exactly comparable with 1958 because of a change in the method of valuation.

TABLE 13. Principal Statistics of the Leading Industries of Alberta, 1959

-							
No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
		nun	nber		dolla	ars	
12 33 44 55 67 89 100 111 1213 144 155 1617 188 199 221 222 233 24	Slaughtering and meat packing Petroleum products Butter and cheese Flour mills Concrete products Bread and other bakery products Bread and other bakery products Printing and publishing Primary plastics Sawmills Breweries Bridge and structural steel Acids, alkalies and salts Castings, Iron Cement, hydraulic Feeds, stock and poultry, prepared Sheet metal products Furniture Clothing, men's, factory Machine shops Miscellaneous food preparations Printing and bookbinding Aircraft and parts All other leading industries	19 23 95 95 102 47 145 76 4 396 65 4 10 3 599 66 612 82 611 1,309	4,210 2,163 2,091 658 1,769 1,003 2,019 1,547 556 1,226 482 292 292 913 849 313 941 1,277 3,635	18, 247, 123 12, 073, 703 6, 790, 397 2, 365, 940, 5475, 940 5, 475, 948 4, 209, 991 6, 596, 918 5, 789, 340 2, 539, 264 4, 089, 501 2, 460, 435 5, 330, 930 2, 347, 153 2, 348, 155 1, 422 1, 075, 466 2, 505, 774 2, 881, 933 2, 248, 310 3, 653, 289 946, 846 3, 904, 357 5, 474, 367 16, 022, 214 121, 567, 280	148, 928, 683 84, 534, 378 35, 412, 808 22, 410, 239 13, 275, 733 12, 156, 303 12, 156, 303 14, 377, 781 7, 868, 774 9, 049, 735 4, 246, 089 9, 840, 364 3, 793, 392 8, 051, 601 1, 437, 533 8, 314, 858 6, 481, 661 3, 403, 115 5, 162, 179 2, 757, 953 1, 248, 286 44, 222, 014 455, 715, 055 524, 268, 966	38, 734, 310 38, 229, 869 ² 10, 693, 685 10, 673, 425 9, 553, 582 10, 226, 466 11, 671, 017 13, 565, 268 10, 417, 997 7, 820, 173 12, 552, 501 10, 902, 670 6, 123, 338 9, 458, 780 3, 057, 223 4, 828, 535 4, 775, 084 4, 365, 176 5, 637, 107 3, 811, 276 5, 673, 195 6, 796, 976 31, 857, 158	189, 627, 718 124, 453, 969 2, 3 46, 983, 876 33, 224, 100 23, 356, 702 22, 526, 642 21, 047, 777 18, 073, 845 17, 642, 113 17, 325, 351 17, 030, 467 17, 011, 5443 16, 089, 269 11, 214, 337 9, 687, 309 9, 534, 145 9, 196, 449 9, 102, 601 8, 459, 788 8, 102, 841 83, 137, 002 750, 264, 022 887, 316, 797
	Totals, all industries	1, 830	39, 522	152, 505, 413	324, 268, 966	340, 299, 730	001, 010, 191

See footnote 1, Table 1, page 20.
 Not exactly comparable with 1958 because of a change in the method of valuation.
 Reported on a production basis.
 Includes Fertilizers; Pulp and paper; Railway rolling stock; Non-ferrous metal smelting and refining and Sugar refining.

SECTION 6. THE MANUFACTURES OF BRITISH COLUMBIA

British Columbia, with factory shipments valued at 1,875,142,125, ranked third among the provinces in manuacturing production. In spite of the rapid industrialization f other provinces, British Columbia succeeded in increasing s share of the total Canadian output, This is reflected in the icrease in the total from 7.1 p.c. in 1939 to 8.6 p.c. in 1956. ith the minor decline in business activity and the drop in the xport of lumber and its products, British Columbia in 1957 as affected more than Canada as a whole, with the result nat its share of total shipments dropped to 8.05 p.c. There as some improvement in 1958 when the percentage rose lightly to 8.12, but dropped again to 8.05 in 1959.

Forest resources, fisheries, minerals and electric power ave given a broad base and wide diversification to its indus-'ial development. While Ontario and Quebec have an outstanding predominance in each of the major industrial groups of the Standard Industrial Classification, in the production of wood products, however, British Columbia with 40 p.c. of the Canadian total holds the dominant position, outranking both Ontario and Quebec which account respectively for 25 and 22 p.c. of the total.

Emphasizing the importance of the forests in the industrial life of the Province, the sawmilling industry ranked first with a gross value of factory shipments of \$363,035,402, and pulp and paper second with \$240,679,400. Third in importance was the petroleum products industry with factory shipments valued at \$104,554,813. This industry received a great impetus in the completion of the Trans-Mountain oil pipeline. In 1953, with shipments valued at \$40,562,462 it ranked seventh, and contributed about 3 p.c. to the total value of factory shipments of the Province. In 1954 it assumed third place with the proportion of the total increasing to 5.5 p.c., with a further increase to 7.4 p.c. in 1958. In 1959 both the value of shipments and the percentage of the total declined. Value of shipments were down 22 p.c. and the percentage of the total declined to 5.6. The drop in the value of shipments and the proportion of the total is due mainly to a change in the level of reporting unit values which were lower than the method formerly used would have given. British Columbia also leads in the production of veneer and plywood, contributing 59 p.c. of the Canadian total in 1959. This industry with shipments valued at \$83.818.391 was in fourth place, Sash, door and planing mills were in fifth place with shipments valued at \$78,974,984. In sixth place, with shipments valued at \$74,521,892 was fish processing, based principally in the estuarial salmon fisheries. British Columbia accounted for approximately 44 p.c. of the output of the fish processing industry in 1959, and plays a large part in making Canada the largest fish exporting nation in the world. Other important industries are: slaughtering and meat packing, miscellaneous food preparations, shipbuilding and repairs, butter and cheese, printing and publishing, bread and other bakery products, fertilizers, fruit and vegetable preparations, boxes and bags, paper; sheet metal products, furniture, prepared stock and poultry feeds, etc. The nonferrous metal smelting and refining industry also ranks among the leading industries. Information, however, cannot be published as there are less than three smelters in operation in

A feature of recent progress has been that new developments are taking place in areas far removed from accepted industrial centres. Growing lines of communication and transportation are fanning out from and leading into formerly locked interior communities to tap a vast new potential and offer new sources of provincial economic unity and strength, Factories and plants in remote sections are drawing greater value in employment and dollars from natural resources. The growth of the province industrially may be indicated by the increase in employment which is more than two and one-half times the prewar figure. In dollar terms, gross value of manufacturing is also up 655 p.c. since 1939. The consumption of 7.7 billion kwh of electric power by manufacturers during 1958 marks a steady upward climb of 200 per cent in the past decade.

British Columbia ranks second among the provinces in available water-power resources, and its hydraulic development which at the end of 1959 totalled 3,509,460 h.p. out of a Canadian total of 24,888,426 h.p. is exceeded only by Quebec and Ontario. Present developments are located chiefly in the southern part of the Province where a number of im-

portant sites are still available for development. The largest single development in British Columbia is the Kemano-Kitimat plant of the Aluminum Company of Canada which added a seventh unit of 150,000 h.p. in 1958. This brings the total developed capacity to a total of 1,050,000 h.p. The ultimate capacity is expected to be about 2,000,000 h.p. This power will be used in the production of aluminum which is a new product for British Columbia, Present capacity of the smelter is about 200,000 tons per annum, a production which will further strengthen Canada's position as an important source of this vital metal.

Manufacturing establishments reporting in 1959 numbered 3.992. These plants furnished employment to 101.168 persons who were paid \$421,405,086 in salaries, and wages. They also shipped goods with a selling value at the factory of \$1,875,142,125 and spent \$974,924,176 for materials, while the value added by manufacture totalled \$848,404,204.

In spite of the substantial declines during 1957 and 1958. manufacturing in British Columbia fared better than Canada as a whole. In comparing 1959 with 1953 it is found that for British Columbia employment was 7.8 p.c. higher while for Canada as a whole it was 1.8 p.c. lower. Also in value of shipments British Columbia reported an increase of 37.2 p.c. as compared with 31.1 p.c. for Canada as a whole. There was an expansion in manufacturing production in British Columbia during 1954, at a time when the rest of Canada was experiencing a minor recession. For Canada as a whole there was a drop of 4.5 p.c. in the number of employees and 1.3 p.c. in value of shipments. British Columbia was the only province in 1954 to report increased employment, the increase being 2.2 p.c. Although British Columbia was not the only province to report increased shipments that year, the increase of 7.9 p.c. was, however, the highest of any province. In common with other provinces manufacturing in British Columbia continued to expand during 1955 and 1956. It reported the second highest increase in employment and value of factory shipments, Alberta being first in both respects. This expanding trend in production in British Columbia was checked in 1957. Employment and factory shipments declined in 1957 as well as in 1958. In 1959 there was a moderate increase of 0.9 p.c. in employment and 4:2 p.c. in selling value of factory shipments. For these three years the number employed declined by 6.8 p.c. while the value of factory shipments was up slightly by 0.8 p.c. The decline in British Columbia was more severe than for Canada as a whole which experienced a decline of only 3.5 p.c. in the number of employees and an increase of 7.7 p.c. in value of factory shipments.

TABLE 14. Principal Statistics of the Leading Industries of British Columbia, 1959

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
		num	ber		dol	lars	
1 2 3 3 4 5 6 7 7 8 9 10 11 12 13 11 15 16 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19	Printing and publishing Bread and other bakery products Fertilizers Fruit and vegetable preparations Boxes and bags, paper Sheet metal products Furniture Feeds, stock and poultry, prepared Brewerles	1, 358 13 8 17 198 44 13 43 20 28 85 302 4 50 15 41 225 41 225 40 9 5 2, 518 3, 992	27, 289 7, 637 1, 457 6, 483 3, 741 2, 889 1, 411 3, 284 3, 137 3, 309 1, 895 1, 311 1, 122 2, 105 609 1, 277 73, 411 101, 168	100, 663, 691 43, 832, 064 8, 200, 528 25, 080, 081 14, 575, 661 9, 999, 876 6, 472, 564 3, 045, 063 17, 066, 851 7, 668, 108 15, 268, 469 11, 390, 277 5, 164, 150 5, 006, 415 5, 276, 147 7, 877, 245 2, 532, 883 2, 709, 450 6, 383, 372 303, 448, 038 421, 405, 086	188, 547, 104 86, 416, 861 76, 698, 225 43, 115, 382 51, 307, 299 44, 708, 216 47, 086, 168 30, 668, 009 12, 089, 749 24, 959, 279 7, 226, 079 13, 256, 436 20, 451, 109 16, 725, 683 14, 654, 669 12, 246, 043 16, 790, 844 4, 357, 257 9, 360, 062 733, 465, 449 974, 924, 176	168, 291, 700 140, 878, 755 23, 948, 290 38, 958, 016 26, 688, 075 23, 529, 082 10, 222, 760 10, 117, 396 25, 533, 919 12, 738, 184 25, 807, 711 17, 232, 926 15, 291, 33 9, 805, 948 12, 982, 903 11, 721, 473 12, 255, 082 5, 461, 999 14, 963, 951 8, 484, 226 614, 913, 726 848, 404, 204	363, 035, 4022 240, 679, 400 104, 554, 8132, 83, 818, 3818,

See footnote 1, Table 1, page 20.
 Reported on a production basis.
 Not exactly comparable with 1958 because of a change in the method of valuation.

⁴ Non-ferrous metal smelting and refining is also a leading industry. Statistics, however, are confidential since there are less than three firms reporting.

SECTION 7. MANUFACTURING INDUSTRIES IN URBAN CENTRES

The prosperity of most of the cities and towns of Canada, especially in the east, is intimately connected with their manufacturing industries, which provide employment for a large proportion of their gainfully occupied population. In the west the cities are more largely distributing centres, though manufactures are rapidly increasing there also.

Table 15, indicating the extent to which the manufacturing industries of Canada are concentrated in urban centres, shows by provinces the proportion contributed by cities and towns having factory shipments of over \$1,000,000 each. In the more highly industrialized provinces of Ontario and Quebec such cities and towns in 1959 accounted for 82 p.c. and 93 p.c. respectively of the totals for those provinces, while for the Atlantic Provinces and British Columbia, where sawmilling, fish-packing, and dairying are leading industries, the propor-

tions are 68 p.c. and 48 p.c. respectively. In the Prairie Provinces manufacturing is confined to a few urban centres.

During the past few years there has been a noticeable trend for manufacturing plants to locate in rural areas adjacent to incorporated cities and towns. This trend is revealed by a study of the percentages in the table below during the past few years. In 1959 for Canada as a whole 81.9 p.c. of the shipments were made by cities and towns with factory shipments of \$1,000,000 and over, as compared with 86.9 p.c. in 1953. Toronto is a good case in point. In 1953 Toronto accounted for 72.0 p.c. of the total shipments of York County and the rural areas for 12.2 p.c., while in 1959 Toronto's share dropped to 55.6 p.c. with the rural areas increasing to 31.1 p.c. The same trend is apparent in other manufacturing centres. This accounts for the changes that have taken place during the past few years in some of the provinces and for Canada as a whole.

TABLE 15. Cities and Towns each with Selling Value of Factory Shipments of Over \$1,000,000, Number of Establishments and Total Shipments in such Urban Centres as a Percentage of the Grand Total, by Provinces, 1959

Note: Statistics published in this table are in some cases higher than the figures published in Table 18, since in the table below are included towns with shipments of over \$1,000,000 for which statistics must be withheld. It is not possible to publish this information in Table 18 without disclosing the operations of individual establishments.

Province	Number of urban centres with selling value of factory shipments of over \$1,000,000	Number of establishments reporting in urban centres with selling value of factory shipments of over \$1,000,000	Selling value of factory shipments of urban centres having \$1,000,000 or over	Selling value of factory shipments of each province	Selling value of factory shipments of urban centres as a percentage of shipments in each province
	num	ber		dollars	
Newfoundland	4	125	75,608,838	119, 007, 053	63. 5
Prince Edward Island	2	54	18, 371, 144	27, 670, 896	66. 4
Nova Scotia	24	464	248, 296, 043	398, 663, 678	62.3
New Brunswick	16	322	253, 382, 108	325, 478, 717	77.8
Quebec	179	7,927	6, 452, 597, 849	6, 916, 199, 594	93.3
Ontario	181	8,873	9,595,925,711	11,668,460,562	82: 2
Manitoba	14	1,101	649, 218, 610	743, 509, 352	87.3
Saskatchewan	11	425	285, 846, 684	347, 320, 321	82. 3
Alberta	17	978	616,575,488	887, 316, 797	69.5
British Columbia	27	1, 967	890, 177, 308	1,875,142,125	47.5
Yukon and Northwest Territories		-	_	2, 832, 386	_
Canada - 1959	475	22, 236	19, 085, 999, 783	23, 311, 601, 481	81.9
1958	503	22,808	17, 603, 972, 221	22, 163, 186, 308	79.4
1957	499	23,542	17, 886, 715, 270	22, 183, 594, 311	80.6
1956	498	23, 289	17, 262, 050, 120	21,636,748,986	79.8
1955	482	23,618	15, 704, 708, 812	19, 513, 933, 811	80.5
1954	472	23, 869	15, 045, 342, 071	17, 554, 527, 504	85.8
1953	471	23,652	15, 393, 546, 062	17, 785, 416, 854	86.9
				.,,,	0310

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-59

City and year	Establish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments ¹
	nun	nber		dollars	
Montreal:					
1939	2,501	105, 315	114, 602, 118	254, 188, 246	483, 246, 583
1944	3, 109	185, 708	308, 396, 358	650, 618, 563	1, 215, 988, 014
1949	4, 136	184, 779	399, 943, 526	847, 444, 669	1, 596, 713, 694
1951	4, 137	183, 436	449, 279, 943	1, 026, 220, 450	1, 849, 153, 995
1953	4, 398	193, 129	544, 284, 191	1, 067, 911, 378	2, 042, 662, 785 ²
1955	4, 379	176, 998	529, 339, 811	1, 021, 717, 306	1, 963, 367, 235 ²
1956	4, 289	182,759	582, 256, 675	1, 175, 253, 762	2, 207, 686, 246 ²
1957	4, 268	183,996	611,657,486	1, 214, 443, 559	2, 288, 258, 169 ²
1958	4, 121	173,582	601, 773, 312	1, 189, 356, 004	2, 266, 191, 996 ²
1959	3,951	173, 279	626, 970, 086	1, 219, 183, 717	2, 329, 633, 902 ²

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada,

	1939 - 59	- Concluded			
City and year	Establish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments ¹
	num	ber		dollars	
:					
	2, 885	98,702	122, 553, 435	240,532,281	482, 532, 331
	3, 344	154,538	260, 776, 613	513, 429, 109	1,020,345,353
	4, 005	158, 562	368, 510, 524	837, 148, 440	1,579,186,450
	3, 796	151, 333	415, 206, 705	991, 268, 163	1, 763, 192, 114
	3, 781	154, 251	478, 086, 271	980, 873, 073	1, 875, 747, 249
					1, 732, 099, 123
					1, 797, 706, 145
					1,832,080,726
					1, 825, 714, 816
	3, 073	123, 963	503, 765, 998	1,013,054,770	1,875,649,225
n:					
	461	31,512	39, 563, 423	70, 829, 034	152, 746, 340
	480	53,500	94, 982, 915	171, 117, 467	363,033,672
	546	54,665	137, 641, 333	285, 180, 403	563, 982, 920
	560	58, 841	174, 296, 725	391, 412, 980	755, 546, 928
	566	60, 451	201, 515, 979	385, 515, 852	824, 407, 315
					844, 835, 085
					987, 728, 987
					1, 031, 430, 829
					943, 304, 365
	525	52, 820	244, 629, 848	547, 666, 412	1, 114, 137, 316
	222	17,729	25, 938, 890	63, 907, 106	122, 474, 320
	231	35,912	80, 667, 573	232, 102, 240	387,603,874
	283	34, 591	94, 304, 627	271, 392, 923	494, 162, 203
	297	34, 865	112, 076, 215	351,697,300	626, 292, 546
				i	682, 273, 319
					374, 512, 418
					369, 790, 090
					533, 531, 623
					421, 681, 449 442, 513, 286
	252	23,333	110, 421, 511	221, 012, 301	442,010,200
					24 224 27
					81, 024, 272
					198, 169, 626
					255, 006, 806
					292, 496, 767 300, 186, 774
				1	291, 084, 611
					309, 520, 043
					314, 229, 185
					324, 232, 314
	794	25, 864	88, 968, 328	173, 177, 732	343, 540, 671
	020	17 057	22 222 102	56 565 511	101, 267, 243
					289, 390, 718
					358, 620, 526
	į.				461, 594, 390
	1				448, 591, 543
					489, 181, 449
	1, 299	36, 052	131, 540, 861	299, 290, 344	534, 658, 163
			138, 199, 452	305, 719, 965	540, 766, 123
	1, 280	35, 666			
	1, 280 1, 217	35, 666 32, 765	134, 591, 149	292, 447, 555	522, 600, 098
	:	City and year Establishments	City and year	Establish Employees Salaries and wages	City and year Enablish Employees Salaries Cost at plant of materials used

¹ Net value is derived from gross value by deducting cost of materials, fuel and electricity. For cost of fuel and electricity in 1959 see Table 18.
² Since 1952 the basis of collection was "Selling value of factory shipments" instead of "Gross value of products".

TABLE 17. Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto

Hamilton, Windsor, Winnipeg and Vancou	iver, groupe	d according	to the Number	of Employees	s per Establish	nment, 1959
Metropolitan area, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber	dollars			
Montreal Metropolitan Area: Under 5 employees	1,222	2,930	0 115 054			
5 to 14 employees	1.385	11,920	8,117,074 37,017,871	385,356 1,412,856	21,533,299 85,173,476	37, 748, 754 155, 631, 644
EO 44 00 44		34,679 30,201	106, 317, 881 96, 752, 166	4, 114, 048 3, 610, 068	225, 525, 906	429, 586, 482
200 '' 499 ''	222 132	30, 313 40, 419	100, 520, 275 147, 191, 088	4, 440, 947 12, 019, 808	237, 453, 002 225, 601, 912 447, 730, 914	438, 433, 586 435, 079, 576 784, 900, 060 744, 770, 224
1,000 " 1,499 "	45 14	30, 281 16, 345	130, 841, 560 76, 358, 129	21, 404, 303 4, 136, 188	453, 747, 721 267, 148, 385	744, 770, 224
100 " 199 " 200 " 499 " 500 " 999 " 1,000 " 1,499 " 1,500 and over Not classifiable! Head offices ²	12 98	39, 837	184, 538, 439	3, 996, 108	226, 669, 623	424, 533, 730 505, 856, 916
Totals	4 00%	7,413	45, 760, 037	_	_	1,062,901
	4, 835	244, 338	933, 414, 520	55, 519, 682	2, 191, 453, 245	3, 957, 603, 873
Toronto Metropolitan Area: Under 5 employees	1, 217	2 862	9 024 156	400 077	14 100 050	
5 to 14 employees	1, 305 1, 192	2, 862 11, 132	8,034,156 38,872,424	420, 375 1, 716, 864	14, 162, 358 66, 831, 756	30, 034, 518 137, 629, 170 468, 230, 858
50 '' 99 '' 100 '' 199 ''	411	32,660 28,216	119, 531, 315 105, 871, 945	4, 787, 897 5, 480, 608	236, 494, 249 262, 324, 480	488, 545, 665
50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 " 1,499 "	224 132	30, 868 39, 784	120, 852, 863 167, 972, 072	5, 960, 435 8, 404, 242	256, 033, 815 330, 742, 585	497, 766, 353 676, 172, 532 371, 936, 518
1,000 " 1,499 "	36 13	25, 126 16, 661	109, 265, 202 77, 598, 542	5, 480, 620 2, 785, 624	262, 324, 480 256, 033, 815 330, 742, 585 169, 318, 669 162, 998, 037 214, 274, 485	371, 936, 518 302, 136, 460
1,500 and over Not classifiable ¹ Head offices ²	133	17, 089	83, 183, 514	2,653,500	214, 274, 485	302, 136, 460 331, 813, 361 1, 537, 934
Totals	4,668	5,832 210,230	38, 701, 199 869, 883, 232	37, 690, 165	-	
	2,000	220,200	000,000,000	31,030,163	1,714,348,045	3, 305, 803, 369
Hamilton Metropolitan Area: Under 5 employees	209	484	1, 345, 176	89,555	2,433,576	4,750,227
15 '' 49 ''	174 137	1, 544 3, 769	5,346,182 14,156,979	342, 136 1, 356, 871	7, 482, 870 26, 926, 898	18,063,129
		4,075 5,911	16, 334, 329 23, 483, 118	1,704,010	52, 727, 918	54, 526, 849 88, 903, 094
200 '' 499 ''	36 13	11, 112 15, 802	44, 488, 345	1, 637, 972 4, 808, 556	58, 724, 034 114, 796, 793 151, 111, 493	103, 756, 029 206, 167, 654
30 99 100 199 " 200 1 199 " 500 999 " 1,000 and over Not classifiable ¹ Head offices ²	4 7	14,066	80, 060, 426 72, 656, 585	7, 237, 392 15, 507, 346	166,619,072	249, 639, 543 450, 104, 101
Head offices ²		393	1,678,212	_	89, 177	89,450
Totals	679	57, 156	259, 549, 352	32, 683, 838	580, 911, 831	1, 176, 000, 076
Windsor Metropolitan Area: Under 5 employees	119	267	714,442	E9 E11	021 407	0 055 100
5 to 14 employees	95	830 2, 112	2,878,822	52,511 184,154	931, 407 4, 552, 928	2, 255, 186 10, 288, 898
50 ** 99 **	77 21	1,519	8, 016, 912 7, 108, 231	405, 495 383, 737	11, 981, 638 10, 661, 021	27, 815, 459 25, 901, 429
200 " 499 " 500 and over	19 14	2,589 3,890	11,669,049 17,749,320	1, 123, 056 1, 117, 354	29, 220, 421 28, 061, 357 150, 062, 897	62, 086, 612 64, 637, 662
50 " 99 " 100 " 199 " 200 " 499 " 500 and over Not classifiable Head offices	5 6	13,694	74, 131, 121	3, 377, 179	150,062,897 15,818	279, 317, 984 16, 369
Totals	356	51 24, 952	259, 711 122, 527, 608	6, 643, 486	235, 487, 487	472, 319, 599
Winnipeg Metropolitan Area:						214,020,000
Under 5 employees	312	708	1, 901, 127	136, 293	3, 169, 130 18, 309, 809	6,661,658
5 to 14 employees	270 223	2,311 6,184	6, 918, 969 19, 900, 263	466, 554 1, 101, 740	18, 309, 809 43, 928, 271	32, 598, 760 82, 066, 627
100 " 199 "	110 45	7, 90 2 6, 255	27, 251, 537 22, 206, 548	1,462,074	58, 210, 247	114, 046, 621 125, 590, 652
500 " 999 "	19	5,279 3,593	19,593,079 15,495,242	2, 648, 052 2, 278, 413 504, 049	71, 299, 279 33, 810, 628 63, 171, 082	76, 037, 042 93, 706, 630
1,000 and over Not classifiable ¹	4 47	5, 300	21, 513, 976	769, 805	62, 122, 334 257, 017	92, 958, 642
nead offices"		276	1, 269, 964	_	-	260, 438
Totals	1,035	37, 808	136, 050, 705	9, 366, 980	354, 277, 797	623, 927, 070
Vancouver Metropolitan Area: Under 5 employees	584	1.345	3, 716, 236	245 040	5, 430, 974	12, 022, 634
5 to 14 employees	507 355	1,345 4,288 9,352	3,716,236 15,252,329 38,127,139	245, 040 846, 176 2, 542, 592 2, 763, 990	26, 606, 792 85, 238, 526	53, 610, 682
50 '' 99 ''	121 63	8, 500 8, 693	35, 288, 824	2, 763, 990	5, 430, 974 26, 606, 792 85, 238, 526 84, 237, 219 104, 733, 256	163, 653, 037 153, 813, 001 185, 190, 878
200 '' 499 ''	28	8,655	37, 453, 169 39, 037, 667	3, 731, 705 3, 682, 235	129, 191, 010	203, 865, 313
500 '' 999 '' 1,000 and over Not classifiable ¹	11 3	7, 287 4, 249	30, 272, 836 20, 403, 509	1,746,523 563,029	64,510,580 14,503,875	128, 827, 436 49, 505, 422
Head offices ²	47	1,335	8,914,069	_	347, 490	435,611
Totals	1,719	53, 704	228, 465, 778	16, 121, 290	515, 405, 782	950, 924, 014

 $^{^1}$ Consists of the industry ''Publishing (only) of Periodicals'', 2 Under this heading are included only those head offices that are not located at the plant.

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over and with Three or More Establishments, 1959

Note: Statistics for cities and towns with three or more establishments cannot be published when one establishment has 75 p.c. or two establishments 90 p.c. of the total Value of Shipments.

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nur	mber		dol	lars	
Newfoundland: Harbour Grace	8 95	190 2,626	435,042 7,890,322	34,166 595,237	1,012,490 13,153,178	1,628,634 30,566,576
Prince Edward Island: Charlottetown Summerside	33 21	705 263	2,024,317 640,940	216, 035 76, 294	9, 697, 518 3, 222, 853	13,837,767 4,533,377
Nova Scotia: Amherst Berwick Bridgetown Bridgewater Dartmouth Glace Bay Halifax Kentville Liverpool Lunenburg Middleton New Glasgow North Sydney Pictou Shelburne Sydney Trenton Truro Yarmouth	24 111 77 14 18 19 129 11 6 6 29 11 10 16 43 8 43 28	1,122 341 125 137 609 285 5,489 240 205 687 114 714 200 400 223 4,759 1,040 1,246	3,526,465 772,811 347,466 361,029 2,084,294 515,029 18,202,353 599,746 590,434 1,925,755 2,48,759 2,101,883 564,184 1,207,547 482,131 21,552,254 3,872,657 2,827,615 1,888,569	419, 376 112, 182 56, 705 39, 810 107, 805 71, 044 1, 141, 622 59, 327 34, 805 127, 307 38, 836 332, 566 31, 107 54, 950 28, 154 4, 451, 100 422, 517 229, 817 187, 481	5,096,036 3,072,527 959,360 1,046,288 1,934,045 1,201,321 31,343,603 1,130,111 680,482 4,506,375 1,046,065 3,519,351 1,735,525 988,701 44,251,722 8,402,001 6,779,996 5,016,934	12, 887, 719 4, 832, 164 1, 672, 302 1, 662, 200 5, 118, 423 2, 155, 940 65, 155, 709 1, 794, 214 7, 537, 878 1, 486, 396 7, 668, 742 1, 773, 451 3, 662, 061 1, 750, 186 80, 127, 378 14, 272, 856 12, 811, 831 9, 425, 202
New Brunswick: Campbellton Fredericton Grand Falls Lancaster Moncton Newcastle Saint John St. Stephen Shi ppegan Sussex Woodstock	14 39 15 11 58 10 90 14 7 7 13	132 982 119 869 2,711 483 3,461 428 309 235 68	360,515 2,644,518 248,478 3,254,279 9,571,628 1,851,016 11,381,549 999,472 450,140 634,456 154,741	71, 078 234, 071 82, 615 803, 531 702, 034 477, 776 1, 389, 625 77, 556 49, 031 75, 067 29, 001	712,779 4,801,799 688,896 9,977,550 29,246,830 4,586,137 41,801,176 1,892,055 1,373,933 2,158,562 612,297	1,695,323 10,354,179 1,307,463 22,600,331 44,844,497 4,516,077 66,655,659 3,697,924 1,927,896 3,644,094 1,131,362
Quebec: Acton-Vale Admos Amqui Beauceville East Beauharnois Beauharnois Beauharnois Bedford Beloeil Berthierville Cabano Cap-de-la-Madeleine Charlesbourg Charlesbourg Chicoutimi Coaticook Contrecoeur Cowansville Danville Darville Dorion Dorval Drummondville Farnham Fort Chambly Giffard Granby Grand Mère Hull Huntingdon Nerville Jacques Cartier Jolquiëre Lachine Lachine Lachine Lachine La Pfade La Pfade La Pfade La Pfade La Patrie La Salle L'Assomption Laval-des-Rapides Lennoxville L'Eyiphanie	17 13 14 13 23 15 11 16 12 41 7 16 39 18 12 11 15 9 16 11 58 21 11 58 21 11 58 21 11 58 21 11 58 21 12 11 11 14 12 21 13 20 50 14 16 14 12 30	1, 242 8,5 92 137 1, 682 401 10708 1377 588 170 2, 491 157 147 534 1, 883 1, 543 1, 683 2, 288 3, 351 1, 593 5, 385 1, 126 2, 124 12, 536 695 1, 126 12, 536 695 1, 126 111 195 376 171 195 376	2, 954, 231 209, 301 269, 400 347, 455 7, 074, 460 1, 186, 043 1, 990, 843 405, 677 1, 506, 045 476, 472 323, 273 395, 116 1, 634, 930 2, 693, 012 7, 20, 407 4, 385, 573 240, 446 303, 023 3, 243 1, 264, 423 1, 264, 423 1, 264, 423 1, 264, 423 1, 264, 423 1, 264, 423 1, 264, 423 1, 264, 423 1, 504, 979 1, 472, 967 18, 881, 597 7, 560, 302 12, 956, 795 2, 157, 884 1, 082, 815 1, 967, 915 2, 157, 884 1, 082, 815 2, 157, 884 1, 082, 815 2, 157, 884 1, 082, 815 2, 203, 313, 159, 297 356, 551 2, 633, 730 23, 913, 173 2, 037, 623 541, 428 473, 132 1, 345, 506 473, 132 1, 349, 981	205, 191 42, 278 22, 467 14, 026 3, 965, 810 79, 418 90, 405 28, 708 143, 959 30, 529 1, 641, 107 17, 822 27, 751 129, 197 143, 007 70, 947 33, 157 79, 632 20, 887 35, 021 33, 945 1, 611, 872 221, 774 103, 900 1, 004, 325 1, 452, 951 2, 656, 984 206, 766 73, 687 73, 687 71, 088 697, 105 101, 837 2, 172, 963 283, 916 32, 944 177, 792 634, 004 1, 835, 594 140, 223 31, 607 205, 839 37, 634 94, 297	11, 121, 474 680, 056 977, 201 687, 905 14, 603, 493 2, 631, 115 2, 209, 141 582, 819 948, 058 26, 377, 239 7, 50, 724 1, 273, 386 4, 066, 395 4, 305, 710 2, 117, 816 8, 490, 822 653, 170 809, 73 1, 067, 657 1, 934, 234 6, 672, 385 2, 450, 088 2, 641, 433 37, 597, 490 6, 672, 385 2, 450, 088 2, 641, 433 46, 642, 272 12, 339, 769 31, 067, 285 6, 847, 919 1, 727, 925 8, 175, 244 12, 149, 756 91, 208, 270 5, 205, 619 5, 933, 187 2, 443, 361 2, 752, 474 68, 944, 286 5, 156, 154 789, 426 1, 617, 421 789, 505	16, 513, 321 1,126, 945 1,374, 569 1,242,295 33,255,068 4,866,459 5,881,109 1,273,292 6,067,344 1,845,039 1,328,585 7,144,980 7,947,837 2,915,863 17,038,72 1,103,288 1,323,349 1,328,334 4,642,577 19,765,051 13,277,578 5,285,046 5,345,196 85,148,699 28,131,529 57,578,78,78 578,787 16,454,152 24,231,695 7,585,820 195,931,710 8,886,927 1,102,315 3,977,891 8,994,184 139,516,655 8,123,220 1,842,407 1,842,407 1,842,407 1,842,407 1,842,407 1,944,152 1,944,152 1,944,152 1,944,152 1,944,152 1,944,152 1,944,152 1,944,152 1,944,152 1,944,152 1,944,152 1,947,891 1,944,154

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over and with Three or More Establishments, 1959 - Continued

Municipality	Fstab- lish- ments	平mployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	nher		dol	lars	
Quebec — Concluded: L'Isletville Longueuil Loretteville Luceville Magog Maniwaki Marleville Matane Mégantic Mont-Joli Mont-Laurier Montmagny Mont-Royal Montreal Fast Montreal Past Montreal North Nicolet Outremont Pierreville Pointe-aux-Trembles Pont-Viau Princeville Québec Richelieu Richmond Rimouski Rivière-du-Loup Rock Island Rougemont Rougemont Rougemont St-Charles St-Denis St-Emile St-Fustache St-Fustache St-Fustache St-Jacques St-Lambert St-Lambert St-Lambert St-Charles St-Poy St-Gabriel-de-Beauce St-Lambert St-Lambert St-Lambert St-Lambert St-Lambert St-Rose St-Thérèse St-Thérèse St-Thérèse St-Thérèse St-Thérèse St-Thérése St-Thérése St-Thérése St-Thérése St-Thérése St-Thérèse	ments			electricity dol 52, 170 435, 085 33, 719 320, 681 20, 678 719, 852 41, 773 88, 197 42, 498 140, 023 57, 342 270, 291 19, 558, 847 236, 342 132, 868 240, 694 23, 370 174, 662 2, 276, 073 24, 324 122, 105 6, 102, 353 28, 639 69, 121 99, 599 47, 202 62, 779 19, 857 76, 481 14, 006 72, 332 11, 849 30, 050 15, 467 77, 332 11, 849 30, 050 15, 467 77, 203 38, 684 104, 327 40, 085 64, 873 783, 684 107, 209 1, 201, 057 850, 577 29, 253 150, 237 793, 684 177, 209 18, 511, 684 177, 209 18, 681 17, 209 281, 461 564, 873 282, 348, 509 281, 461 566, 842 80, 054 41, 098 69, 694 42, 484 351, 392 24, 484 351, 392 24, 484 351, 392 24, 484 351, 392 24, 484 351, 392 24, 484 351, 392 24, 484 351, 392 24, 484 351, 392 24, 484 351, 392 24, 484 351, 392 24, 484 351, 392 24, 484 351, 392 24, 484 351, 392 24, 484 351, 392 24, 484 351, 392 24, 484 351, 392 24, 484 351, 392 32, 473 9, 722, 869 49, 69, 69, 694 41, 698 69, 694 42, 484 351, 392 32, 473 9, 722, 869 410, 709 135, 557 150, 602	used 1, 431, 675 15, 550, 711 1, 826, 419 4, 932, 525 1, 069, 128 30, 818, 839 6, 012, 154 2, 478, 257 1, 707, 712 1, 739, 390 9, 601, 121 7, 739, 390 9, 601, 127 78, 808, 021 1, 219, 183, 717 472, 691, 317 10, 065, 255 2, 702, 578 15, 640, 990 1, 238, 601 6, 164, 165 34, 962, 760 34, 962, 760 34, 962, 760 1, 11, 196, 466 543, 262 2, 455, 273 1, 016, 477 1, 147, 519 769, 538 860, 701 1, 936, 427 7, 727, 751 633, 085 1, 676, 672 2, 271, 783 2, 186, 463 1, 798, 611 1, 451, 121 1, 117, 125 1, 117, 126 1, 117, 127 1, 147, 519 769, 538 860, 701 1, 936, 427 727, 751 633, 085 1, 676, 672 2, 271, 783 2, 186, 463 1, 798, 611 1, 451, 121 1, 117, 122 1, 117, 123 1, 147, 519 77, 727, 731 2, 186, 463 1, 798, 611 1, 441, 511 1, 451, 121 1, 177, 124 3, 529, 584 1, 613, 676 9, 351, 731 1, 735, 687 1, 736, 621 1, 738, 637 1, 735, 687 1, 756, 472 1, 757, 499, 833 1, 578, 621 1, 757, 699, 833 1, 578, 621 1, 757, 699, 833 1, 578, 621	3,164,831 33,993,025 3,599,530 10,366,594 40,747,251 1,533,583,583 8,248,855 1,831,106,656 1,46,767,627 17,627,17,627,17,627,17,627,17,627,17,627,17,627,17,627,17,627,17,627,17,627,13,746,368 2,329,633,902 2,9636,995,358 19,097,699 4,956,136 31,790,727 2,055,535 11,965,876 51,591,110 7,625,535 11,965,876 51,591,110 7,625,535 11,965,876 51,591,110 1,104,489 2,553,822 1,072,900 1,351,590,615 4,814,010 1,104,489 2,553,822 1,072,900 1,351,590,615 4,814,010 1,104,489 2,553,822 1,072,900 1,351,590 1,071,787 2,772,833 3,442,708 3,299,576 6,896,812 3,845,938 2,661,354 4,755,559 1,956,551 1,956,551 1,956,551 1,956,551 1,956,551 1,956,551 1,956,551 1,956,551 1,958,382 3,824,350 3,849,991 11,34,907 2,663,157 7,879,769 2,528,668 17,721,961 1,816,900 2,96,548,853 2,065,381 1,876,977 4,288,991 115,524,010 11,816,900 2,96,548,853 2,065,381 7,460,877 4,288,987 17,534,158 2,288,687
Val d'Or Valleyfield Verdun Victoriaville Warwick Waterloo Weedon-Centre Westmount Ontario: Acton. Ajax. Alexandria Alliston Almonte Arnprior Aurora	177 43 68 56 10 20 10 34 18 35 8 10 11 20 21	167 3,354 1,540 2,662 424 682 192 1,783 977 1,737 125 186 162 944	443, 083 10, 820, 300 4, 636, 916 7, 349, 760 11, 099, 676 1, 873, 085 339, 457 6, 571, 357 3, 196, 315 6, 567, 397 405, 075 568, 683 490, 146 3, 023, 911	43, 127 1, 364, 972 1, 27, 962 335, 708 93, 380 131, 504 60, 395 373, 717 263, 198 326, 475 85, 768 28, 363 107, 084 171, 226 165, 009	620, 830 25, 336, 990 6, 018, 838 15, 222, 634 2, 728, 806 3, 122, 470 1, 075, 394 9, 453, 910 7, 750, 642 17, 351, 219 2, 862, 898 1, 358, 641 3, 998, 335 8, 717, 715 20, 445, 358	1,388,662 55,444,956 14,208,187 25,469,832 4,621,332 6,265,750 1,589,533 21,196,948 13,588,187 30,140,325 3,699,306 2,765,368 3,581,402 12,327,415 20,235,161 38,250,271
Barrie Beamsville Beaverton Belleville Blenheim Bloomfield	39 6 6 69 9	1,993 121 172 3,341 84 90	3, 495, 669 7, 517, 551 353, 167 538, 742 12, 430, 957 243, 844 215, 703	489, 101 40, 656 45, 229 1, 629, 009 25, 874 16, 737	20, 445, 358 640, 948 794, 470 15, 790, 996 557, 537 854, 091	38, 250, 271 1, 255, 653 1, 736, 894 41, 478, 838 1, 067, 263 1, 404, 424

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over and with Three or More Establishments, 1959 — Continued

Municipality	Fstab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling valu of factory shipments
	nun	ber		dol	lars	
tario - Continued:		101	4.000.000	0.000	1 550 000	
Blyth	5 16	46 835	176, 236 3, 211, 144	27, 833 229, 259	1,570,208	1,970,49 13,181,0
Bowmanville	44	2, 133	8 1 22 161	477 907	6, 053, 154 12, 572, 873 86, 800, 769	30, 081, 03
Brantford	169	11, 166	8, 122, 161 43, 195, 278	477, 907 2, 327, 345	86, 800, 769	166, 113, 01
Brighton	12	219	551, 623	42, 175	1,664,618	2, 835, 19
Brockville	46	3, 086	11, 985, 805	666, 153	42, 967, 799	73, 142, 09
Campbellford	17	225	595, 908	37,047	1, 794, 403	2,827,02
Carleton Place	13	394	1, 185, 446	88,983	1, 893, 051	4, 104, 03
Casselman	10	83	224, 060	51,201	1,685,441	2,027,70
Chatham	68	3,737	15,001,780 549,250	1, 393, 073	77, 799, 770 557, 751	120,751,50 1,257,02
Chesley	10	192 221	549,250	18,894 38,568	557,751	1, 672, 21
Clinton	12 34	1, 123	554, 564 4, 347, 196	270, 976	886,643 11,541,630	25, 692, 65
Cobourg	25	1, 638	5, 171, 013	198, 985	8, 065, 322	15, 992, 12
Cornwall	57	5, 963	24, 124, 382	5, 718, 430	40,608,687	96, 423, 23
Desoronto	7	224	611, 912	43, 290	1, 793, 163	3,080,39
Oresden	10	281	767, 584	84, 280	2,073,244	4, 385, 52
Oundas	37	1,080	3, 925, 268	185, 130	5, 245, 920	10, 664, 65
Ounnville	16	1,273	3,066,326	183,522	8,114,891	15,890,26
Ourham	14	225	613, 919	64,884	1,141,346	2,441,79
Eastview	24	437	1,726,139	112,095	5, 518, 460	9,647,10
Eganville	10	99	298, 741	65, 526	1, 064, 521	1,704,50
limira	22	759	2,770,312	247, 144	7, 555, 347	14, 352, 9
Essex	9 26	216	751, 513	105, 643	1,730,081 10,674,210	3, 655, 4 18, 778, 9
Fort Erie	26 67	892 3,192	3,431,494 14,323,707	151,222 4,504,182	31, 806, 258	66 446 1
Fort William	97	7 202	26 120 556	1, 083, 940	44 168 036	00, 440, 1
alt	16	7,283 845	26, 129, 556 3, 426, 675	235, 531	44,168,036 5,965,192	66, 446, 1 94, 779, 3 11, 528, 5
Heorgetown	22	1, 290	5, 156, 129	291, 193	9, 868, 624	18, 352, 6
ilencoe	8	246	657, 238	19, 375	1, 297, 726	2, 469, 2
Roderich	17	463	1,644,955	218, 135	4,724,943	8, 555, 7
Fravenhurst	10	334	1, 136, 965	54, 420	1, 755, 315	3, 560, 1
Grimsby	20	522	1,364,991	89,439	2,980,805	5, 580, 2
Buelph	111	6,789	26, 032, 809	1,361,015	48, 324, 850	93, 879, 7
Hamilton	525	52,820	244, 629, 848	31, 285, 574	547, 666, 412	1, 114, 137, 3
Hanover	24	1,041	3, 138, 790	126,481	5, 229, 144 2, 026, 626	9, 696, 6
Harriston	10	168	438,622	80, 553	2,026,626	2,671,0
Hespeler	14	982	3, 499, 407	268, 947	6, 491, 135	12, 602, 6
Huntsville	15	319	1,033,073	85, 522	2,946,099 12,888,473	4,788,9 22,360,1
ngersoll	30 9	1,080	3, 788, 708 317, 013	690,619 75,105	2, 314, 253	3, 289, 4
Kincardine	14	399	1, 050, 271	103,040	1, 997, 764	3, 711, 6
Kingston	77	5, 420	23 340 835	1 906 856	41 337 408	96 597 6
Kitchener	203	16, 104	23,340,835 60,931,182	1,906,856 2,832,536	41,337,408 135,485,240	96, 597, 6 241, 327, 3
Leaside	44	7, 904	33, 475, 226	1, 363, 432	64, 629, 198	115, 111, 3
Lindsay	40	1,770	33, 475, 226 5, 697, 532	414,519	8, 186, 013	20, 917, 5
Listowel	12	475	1,367,136	97,606	3, 190, 955	5,947,9
London	277	15,175	58, 321, 477	2, 955, 878	108, 168, 645	229, 749, 0
Long Branch	21	1,023	4, 193, 932	238,811	10, 388, 209	22, 134, 1
Markham	13	243	820, 563	65, 085	2, 345, 330	5, 386, 7
Meaford	20	553	1,402,951	111, 264	2, 666, 731	5,327,3 75,318,6 17,407,7
Merritton	105	6, 251	26,811,189	1,341,315 146,764	33, 532, 941 9, 715, 042 6, 888, 306	75, 318, 6
Midland	28	1,202	3,710,771	146,764	9,715,042	17, 407, 7
Milton	15	928	4,081,683 511,040	603, 897	6, 888, 306	14, 586, 7
Milverton	11	184	2 570 270	33, 544	859, 428	1,628,9 13,166,7
dimico	36 16	938 226	3,576,372 481,603	223, 450 41, 744	6, 513, 314 1, 272, 025	2,096,0
Nount Forest	17	504	1, 836, 598	147, 417	4, 674, 012	9,067,5
Newcastle	4	161	454, 572	16, 164	603 591	1, 206, 6
New Hamburg	12	380	1. 041. 604	51, 241	603, 591 1, 337, 300	3, 636, 1
New Liskeard	15	475	1, 707, 231	51, 241 99, 243	3, 306, 235	5, 916, 2
Vewmarket	23	1,056	3, 602, 798	179,857	7.326.069	14,077,8
New Toronto	42	7,613	1,041,604 1,707,231 3,602,798 37,405,697	2, 442, 567	103,044,226	197, 631, 6
Viagara Falls	78	4,303	17, 959, 893	4, 920, 958	28, 939, 295	71, 295, 3
North Bay	. 31	608	2, 345, 859	173, 282	3,846,116	7, 441, 4
Vorwick	7	89	230, 740	23, 980	1, 101, 438	1, 472, 7
Dakville	49	5, 694	27, 735, 568	1, 570, 588	175, 172, 246	274, 502, 6
Orangeville	15	128	400, 248	39, 671	1,010,259	2, 086, 6
Orillia	56	2,320	7, 914, 303	513, 660	10, 558, 113	22,831,9
Ottawa	280	9,882 2,163	37, 677, 016	2, 641, 767 326, 792	59,645,311 11,507,984	138, 791, 2 23, 575, 0
Owen Sound	48		7, 144, 498	167 415	6, 634, 430	12, 885, 0
Paris Pembroke	30	1,157	3,510,500	230, 372	9, 334, 406	19, 382, 9
	28	1,529	4, 749, 953		1, 232, 778	2, 493, 4
Penetanguishene	11 27	344 805	916, 858 2, 358, 109	39,333 142,185	4, 616, 337	9, 913, 6
Peterborough	89	9, 323	43, 720, 646	1, 539, 087	71, 471, 554	142, 453, 0
Picton	16	336	1, 186, 000	741, 497	71, 471, 554 1, 167, 625	4, 813, 2
Port Arthur	57	2, 404	10, 028 492	2, 272, 206	22, 471, 842	48, 323, 1
Port Dover	9	181	10,028,492 374,946	2, 272, 206 22, 169	1, 092, 432	1, 825, 8
Port Elgin	8	169	380, 503	29, 990	547,056	1,064,9
Preston	43	2, 841	10,384,505	373, 176	16, 513, 286	32, 547, 4
Renfrew	24	586	1, 821, 803	140, 801	3,417,222	6, 455, 7
Richmond Hill	17	277	982, 777	106, 529	3. 290. 009	5, 590, 5
Ridgetown	14	237	742, 914	42.852	2 665 732	4. 441. 4
Riverside	15	490	2, 218, 059	126, 483	6, 216, 592	9, 950, 7
St. Catherines	105	6, 251	26,811,189	1, 341, 315	33, 532, 941	9, 950, 7 75, 318, 6
St. Mary's	14	737	2, 823, 989	1, 708, 100	8, 117, 751	17, 609, 5
4. —	52	2,505	9, 250, 784	468, 618	6,216,592 33,532,941 8,117,751 18,222,313	39, 981, 3
St. Thomas						
St. Thomas Sarnia Sault-Ste-Marie	54 47	6, 994 9, 210	37, 701, 009 48, 379, 041	25, 934, 202 8, 256, 009	208, 869, 241 107, 052, 756	319, 286, 4 211, 792, 0

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over and with Three or More Establishments, 1959 — Concluded

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and	Cost at plant of materials	Selling value of factory
		mber		electricity	used	shipments
Ontario — Concluded: Simcoe Smiths Falls Southampton Stirling Stoney Creek Sratford Sudbury Swansea Tavistock Thamesville Thorold Tillsonburg Timmins Toronto Trenton Walkerton Walkerton Wallaceburg Waterloo Welland West Lorne Weston Wheatley Windsor Wingham Woodstock	29 31 8 10	1, 437 807 326 148 340 3, 277 1, 196 874 86 135 1, 575 1, 095 371 123, 963 371 123, 963 3, 192 2, 842 2, 545 1, 549 23, 355 23, 355 240 44, 329	5, 940, 309 2, 551, 544 921, 922 362, 243 747, 602 11, 321, 595 4, 517, 659 3, 959, 627 233, 200 423, 021 6, 995, 865 3, 237, 048 1, 153, 794 503, 765, 998 5, 764, 154 1, 605, 834 7, 197, 796 11, 680, 300 10, 786, 021 797, 905 10, 506, 595 407, 575 115, 427, 371 1, 285, 658 16, 235, 024		31,810,013 4,204,366 1,833,986 939,731 2,580,381 22,399,589 7,949,810 8,351,615 895,003 1,622,110 14,109,609 18,495,164 2,685,113 1,013,054,770 11,132,954 2,129,436 9,743,122 21,747,703 16,196,947 1,643,085 16,282,879 609,871 221,872,387 3,270,061 45,811,931	44, 453, 261 11, 929, 000 3, 182, 581 1, 442, 184 4, 484, 689 42, 272, 268 16, 913, 150 15, 769, 442 1, 264, 053 2, 706, 958 28, 931, 903 24, 097, 480 5, 296, 726 1, 875, 649, 225 24, 435, 366 4, 391, 501 22, 474, 463 59, 993, 156 35, 854, 798 2, 981, 115 33, 452, 712 1, 185, 775 442, 513, 286 6, 053, 349 78, 696, 506
Manitoba: Brandon Dauphin East Kildonan Morden Neepawa Portage la Prairie St. Boniface St. James Steinback Winnipeg	38 14 22 9 9 16 95 59 11 794	856 96 510 161 112 139 5,293 2,777 266 25,864	3,071,414 246,239 1,722,518 462,935 388,651 415,878 21,343,758 10,460,838 574,077 88,968,328	393, 584 34, 878 170, 617 65, 652 132, 878 37, 231 2, 712, 334 383, 289 44, 510 3, 840, 792	14,095,290 1,138,657 4,191,606 1,003,515 796,451 808,061 133,270,513 16,176,315 1,222,634 173,177,732	21, 230, 494 1, 688, 750 8, 055, 498 2, 005, 418 1, 672, 167 1, 563, 211 179, 562, 931 37, 013, 121 2, 373, 392 343, 540, 671
Saskatchewan: Melville Moose Jaw North Battleford Prince Albert Regina Saskatoon Swift Current Weyburn Yorkton	9 422 10 32 142 130 15 9 22	59 1,372 149 886 3,613 3,401 198 116 207	176,630 5,232,852 412,153 3,391,150 14,788,493 13,723,249 737,661 333,825 653,962	24,650 1,272,281 51,604 262,839 2,931,349 1,393,760 91,314 59,783 98,632	1,285,408 32,381,369 1,167,035 14,775,483 55,801,121 66,678,438 2,772,381 1,688,233 1,919,353	1,767,795 45,319,840 2,031,525 23,279,674 100,373,094 99,181,864 4,582,656 2,759,572 3,901,261
Alberta: Barrhead Calgary Camrose Edmonton Grande Prafrie Lethbridge Medicine Hat Red Deer Rocky Mountain House Wetaskiwin	6 350 14 406 18 56 41 33 13	10,781 96 13,241 462 1,245 1,067 399 91 82	95,801 44,364,963 329,944 50,105,221 1,173,987 4,204,629 4,057,682 1,262,214 231,444 224,726	13,374 3,126,400 35,707 2,627,630 146,997 305,793 527,640 129,247 24,321 19,543	1,134,678 157,344,936 1,437,029 162,466,153 2,385,261 10,022,326 14,680,823 5,209,895 1,462,470 1,371,455	1, 352, 371 250, 483, 305 1, 940, 354 268, 548, 781 5, 082, 514 20, 380, 079 29, 646, 440 8, 986, 607 2, 065, 973 1, 843, 813
British Columbia: Abbotsford Armstrong Chilliwack Courtney Cranbrook Dawson Creek Grand Forks Kamloops Kelowna Merritt Mission City Nanaimo Nelson New Westminster North Vancouver Oliver Penticton Port Moody Prince George Prince Rupert Quesnel Trail Vancouver Vernon Victoria Williams Lake	9 10 21 15 15 15 17 10 31 34 8 10 25 23 97 70 8 27 70 19 29 17 1,173 26 182 13	191 111 454 117 243 197 113 351 882 204 170 372 220 5,646 2,566 2,566 724 827 262 148 157 37,57 38,95 171	722, 373 376, 623 1, 149, 396 410, 160 866, 656 773, 521 382, 288 1, 162, 610 3, 055, 215 797, 618 621, 444 1, 462, 500 687, 357 23, 431, 099 12, 148, 170 687, 159 1, 272, 423 3, 277, 058 3, 128, 400 1, 014, 296 370, 078 551, 977 139, 700, 859 1, 280, 555 15, 758, 362 532, 268	147,786 33,777 127,484 39,643 82,330 213,100 42,477 11,893 218,014 61,426 51,140 129,184 62,478 1,883,111 1,516,023 1,183,085 281,410 100,818 38,746 42,399 6,446,971 98,512 779,575 47,612	528, 950 1, 223, 607 3, 626, 037 775, 037 1, 910, 529 3, 971, 626 659, 269 1, 983, 408 1, 362, 360 1, 354, 308 2, 421, 328 1, 212, 994 53, 749, 427 12, 105, 979 1, 026, 268 2, 126, 834 20, 680, 288 10, 860, 060 2, 808, 662 622, 939 653, 061 275, 378, 121 2, 687, 432 23, 877, 622 2, 608, 996	1,794,178 1,962,295 5,937,382 1,389,789 3,534,746 7,573,845 1,534,170 4,037,081 10,855,082 2,519,852 2,431,048 5,425,044 2,554,742 106,812,426 38,220,826 2,185,141 4,180,862 2,185,141 4,180,862 2,185,141 4,180,862 2,185,141 4,180,862 1,551,41 4,180,862 1,572,849 1,201,656 1,572,849 517,685,702 5,121,383 56,046,452 3,712,277

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada by Counties and Census Divisions, 1959

	Censi	us Divisions	, 1999			
County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		doll	ars	
Newfoundland:			1			
Division No. 1	208	3,797	10,391,129	860,997	18,906,712	39,969,102
Division No. 2	20	381	523,399	74, 236	1,506,585	2, 174, 808
Division No. 3	28	692	861,518	124,181	2,051,323	3,483,484
Division No. 4	46	84	89,349	15,929	141,352	327, 112
Division No. 5	44	2,114	10,216,604	4,006,113	17,006,469	41,957,222
Division No. 6	52	1,582	7,449,856	1,330,366	12, 181, 471	27, 142, 875
Division No. 7	151	509	600,116	72,431	1,229,993	2,377,377 717,596
Division No. 8	108	214	166,815	14,391	415,591 551,146	840,786
Division No. 9	131	238	179,655	20,705 370	11,140	16,691
Division No. 10	9	9	2,850	310		
Totals	797	9,620	30,481,291	6, 519, 719	54,001,782	119,007,053
Private Edward Island						
Prince Edward Island: Kings County	. 38	320	431,449	64,226	1,765,956	2,534,733
Prince County	58	496	973,402	116,109	5,520,768	7,308,682
Queen's County	82	953	2,451,335	274,599	12,660,358	17,827,481
Totals	178	1,769	3,856,186	454, 934	19, 947, 082	27, 670, 896
Nova Scotia:	38	399	899,677	118, 237	2,848,217	4,576,836
Annapolis	18	113	293,882	31,584	999,370	1,633,065
Antigonish Cape Breton	110	5,529	23, 261, 036	4,624,291	48, 402, 063	86, 862, 503
Colchester	110	1.837	4, 162, 856	370,688	10,521,360	19,083,257
Cumberland	84	1,538	4,365,337	493,383	7,569,086	16,750,732
Digby	82	648	1,128,571	131,887	3,319,136	4,990,054
Guysborough	33	496	966,409	91,374	2,865,567	4, 222, 329
Halifax	235	7,861	26,878,738	4,561,980	84,983,875	147,313,962
Hants	57	1,073	2,484,106	527,408	5,312,035	10,529,187
Inverness	41	235	278,929	35,634	1,051,352	1,412,551
King's	75	1,049	2,240,352	315,078	8,552,532	14, 124, 765
Lunenburg and Queen's	165	2,719	8,347,041	1,366,609	16,854,126	36,000,096
Pictou	100	2,558	7,927,491	899,621	16,652,639	29, 434, 138
Richmond	23	336	871,965	71,479	1,982,633	3,306,523
Shelburne	58	742	1,408,178	174, 202	4,708,526	7,070,627
Victoria	27	61	82, 388	7,561	270,763	447,771
Yarmouth	58	974	2,097,073 87,694,029	218, 295 14, 039, 311	6, 122, 802 223, 016, 082	10, 905, 282 398, 663, 678
Totals	1,314	28,168	61,034,025	14,000,011	200,010,000	300,000,000
New Brunswick:						0.000.600
Albert	14	153	476,035	154,036	1,100,089	2, 236, 359
Carleton	47	537	1,124,558	167,810	4,041,221	6,764,042
Charlotte	60	1,821	3,736,455	345,853	8,822,344	15,551,001
Gloucester	99	2,097	6,555,441	1,726,632	1	30, 408, 560
Kent	38	316	443,818	102,892	1	6,766,931 8,052,811
King's	44	503	1,502,859	660,399		30, 533, 673
Madawaska	44	1, 269	4,874,583	1,717,912		
Northumberland	64	1,097	3, 276, 559	581,657	1	2,511,099
Queens	28		602,944 7,706,202	162,941 4,577,676		
Restigouche	45			2, 268, 694		93,668,007
St John	122	1	15,467,466 52,948	7,230		
Sunbury Victoria	9		1,040,132	111,824		
Victoria Westmorland	169	1	13,030,551	1,029,260		
York	92		3,982,321	398,731		
Totals	915					325, 478, 717

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Countries and Census Divisions 1959 — Continued

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nur	mber		doll	ars	
Quebec:						
Abitibi	166	1,635	3,938,358	453,395	11,521,526	18,934,88
Argenteuil	70	3,382	11,426,445	780,594	21,923,179	48,393,33
Arthabaska	148	4,351	11,660,697	656,953	31, 197, 961	50,042,83
Bagot	76	1,801	4,084,531	375, 187	17, 247, 252	24,834,089
Beauce	185	3, 191	7,651,600	643,545	18, 125, 559	33,047,68
Beauharnois	81	5,762	20,811,678	5,675,877	42,061,548	93,744,63
Bellechasse	69	373	727,314	96,831	4,230,956	5,915,81
Berthier	113	1,663	3,634,179	314,069	7,982,752	15,707,31
Bonaventure	71	535	934,963	120,961	3, 205, 485	4,822,76
Brome	41	353	853,121	85,566	2,738,197	5,330,89
Chambly	141	6,773	25, 472, 104	1,112,298	36,432,159	76, 552, 72
Champlain	228	7,637	25,089,511	5,573,718	68, 369, 345	131,678,33
Charlevoix Est.	31	586	2,447,288	1, 287, 577	5, 085, 588	12,549,08
Charlevoix Ouest.	30	116	204, 566	19,509	696,467	1,017,66
Châteauguay	36	660	1,545,865	127,429	5,792,064	9,458,74
Chicoutimi Compton	171	9,851	46,945,248	18,068,797	128, 857, 723	262,304,78
Deux-Montagnes	66	1,454	5,026,101	1,552,931	16,130,912	28,042,75
Dorchester	55 111	473 502	1,184,030	130,854 191,006	4,093,595	6,367,35
Drummond	116	6, 224			6,361,963	8,599,01
Frontenac	96	1, 279	18, 519, 105 2, 625, 970	1,914,962 266,648	47, 404, 500 6, 226, 733	92,933,15
Gaspé Est.	84	1,062	2,930,492	805, 316	6, 294, 216	11,161,46
Gaspé Ouest.	21	456	1,381,603	640, 277	26,063,430	11,963,00 31,904,99
Gatineau	46	255	573,502	83,903	2, 257, 762	3,851,26
Hull	68	6,005	24,996,545	9, 107, 831	52, 215, 417	110, 177, 45
Huntingdon	30	703	2, 337, 153	230,362	7, 486, 461	11,578,83
Iberville	39	433	1,235,937	101, 116	3,369,575	5,514,30
Iles-de-la-Madeleine	26	463	544,510	52,412	2,004,122	3,014,37
Jesus Island	72	1,103	3, 244, 568	249,661	5,963,880	12,280,00
Joliette	133	2,967	8,771,979	1,209,316	19,594,612	36,848,88
Kamouraska	84	487	953,120	104,108	3,869,678	5,766,99
Labelle	88	769	1,842,509	122,364	4,468,420	8,344,47
Lac St-Jean Est.	71	2,127	9,080,087	2,736,707	24,018,578	57,870,68
Lac St-Jean Ouest	134	1,453	4,831,406	1,735,569	15,963,492	34,677,39
Laprairie	46	1,653	6,534,193	1,434,315	7,992,468	22,092,54
L'Assomption	73	2,069	6,685,709	480,741	26,980,527	34, 849, 11
Lévis	93	4,087	14,072,678	793,430	21,683,219	44, 489, 89
L'Islet	86	818	1,908,285	130,288	4,433,347	7,941,88
Lotbînière	111	1,004	2, 112, 542	320,103	8,453,109	12,963,27
Maskinongé	65	1,676	4,180,605	407, 235	8,505,622	15,696,60
Matane	62	568	1,438,690	84,739	2,632,177	5,079,10
Matapédia	64	283	624,069	64,145	2,868,716	3,954,29
Mégantic	114	1,867	5, 558, 139	381,984	10, 495, 819	20,623,780
Missisquoi	73	3,544	10, 107, 663	744, 408	19,053,924	38,890,13
Montcalm	56	424	861,610 4,614,500	94, 854	4,458,836	6,170,10
Montmagny Montmorency No. 1	78	1,646		336,603 1,558,198	12, 415, 719	21,921,22
Montmorency No. 2	13	715	2,736,186	25, 173	6,569,421	18, 210, 293 951, 383
Montreal Island	4,698	237, 961	909,008,965	54, 492, 154	2, 157, 311, 118	3,885,259,269
Napierville	28	577	1,348,739	90,963	4, 108, 786	8,801,14
Nicolet	107	915	1,971,065	315, 861	9,763,240	14, 305, 25
Papineau	73	1,969	7,859,825	2,652,137	20, 440, 225	40,515,24
Pontiac	45	381	1,052,945	118, 131	4,093,787	5,992,50
Portneuf	158	3,026	10,372,037	3,775,150	18, 849, 680	42,706,13
Quebec	589	19,943	63,022,684	7,785,243	134, 762, 185	274,048,48
Richelieu	71	3,839	14, 677, 649	4, 199, 528	13,788,580	39, 631, 46
Richmond	61	3,612	13, 852, 217	3,189,044	28, 485, 608	53, 767, 73
Rimouski	133	1,113	2,863,069	263, 367	8,064,090	13,966,48
Rivière-du-Loup	90	595	1,375,383	169,994	5,999,492	8,861,57

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and
Census Division 1959 - Continued

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nul	mber	J	dol	lars	
Quebec - Concluded:			-			
Rouville	79	1,482	3,609,732	451,706	12,616,683	18,644,285
Saguenay	60	2,311	11,488,522	5,678,018	31,302,880	65,179,860
Shefford	151	7,213	22,415,552	1,282,172	56, 139, 577	102,090,021
Sherbrooke	137	7,459	22,626,049	1,737,839	54,674,432	102, 790, 843
Soulanges	19	41	91,479	18,040	696,819	879,121
Stanstead	91	4,210	11,088,474	960,436	38,509,178	56,762,925
St. Hyacinthe	145	4,891	13, 134, 993	933,139	37, 152, 049	62,623,205
St. Jean	96	5,623	18,550,547	1,322,275	37,325,633	73, 454, 70
St-Maurice	181	13,951	56,442,603	18,045,893	108, 271, 852	245, 845, 968
Témiscamingue	87	2,295	9,046,259	4,300,172	93,593,395	126,670,100
Témiscouata	68	570	1,344,262	110,152	3,995,638	6,435,659
Terrebonne	228	6,616	19, 452, 873	1,655,380	42,532,006	78, 951, 309
Vaudreuil	62	609	1,469,050	118,158	3,776,898	6,540,210
Verchères	67	1,799	6,639,740	2,158,324	20,505,281	42, 271, 47
Wolfe	. 44	544	1,133,923	299,424	2,894,100	5,077,24
Yamaska	42	353	790,029	114,325	3,669,584	5,061,70
Totals	11,584	431,237	1, 546, 932, 670	179, 720, 890	3, 749, 731, 529	6, 916, 199, 59
O-torio						
Ontario: Algoma	101	10,442	53, 182, 793	8,688,303	116,723,057	235, 237, 718
Brant	240	12, 968	48, 915, 156	2,683,961	99, 231, 484	188, 688, 39
Bruce	147	2, 198	5,858,127	538, 104	14,936,669	24, 049, 08
Carleton	336			2,843,190	68, 243, 952	155, 860, 01
Cochrane		11,154	43,142,264 18,318,926			
Dufferin	85	4, 188		3,550,226	39,828,737	90, 899, 81
	41	219	619,958	80,039	2, 187, 814	3,683,09
Dundas	45	768	2,349,054	395,722	13,866,238	18, 333, 013
Durham	73	2,623	10, 125, 437	741,921	93,703,752	117, 197, 14
Elgin	103	3,442	12, 109, 247	784,479	64, 212, 872	94, 585, 45
Essex	464	29,053	137, 290, 750	9,784,754	289, 309, 959	581, 561, 96
Frontenac	106	5,516	23,631,117	1,945,972	42,878,427	98,610,94
Glengarry	44	277	835, 437	159, 289	5,866,976	7,474,19
Grenville	59	2,543	10,532,489	2, 149, 138	29,092,320	59, 338, 87
Grey	179	4,495	13,532,457	759,830	25, 839, 201	48,373,06
Haldimand	51	1,915	5,587,654	743,141	15, 384, 108	30,614,10
Haliburton	20	246	705, 808	35,430	1,147,359	2, 217, 25
Halton	193	11,370	49,537,055	4,663,719	237, 652, 968	380,959,46
Hastings	235	8, 102	27,605,109	3,454,564	49, 154, 366	108, 208, 05
Huron	135	2,029	5,983,966	597, 104	18, 248, 941	30,914,24
Kenora	74	2,491	10,945,734	3,640,796	30,863,921	59, 245, 78
Kent	194	7,068	26,629,040	3,081,312	99, 264, 832	164,750,31
Lambton	133	8,708	44,974,067	28,759,349	263, 277, 798	404, 444, 30
Lanark	129	2,672	7,798,389	672,026	16,481,546	34, 117, 10
Leeds	101	4, 124	15,967,919	975, 110	51,165,559	88, 116, 92
Lennox and Addington	53	1,539	5,970,695	1,228,456	13,804,821	25,962,02
Lincoln	217	14,466	63, 438, 839	4,800,574	105,324,987	218,874,00
Manitoulin	20	76	216,518	34,478	694,799	1, 104, 19
Middlesex	398	19,492	75, 218, 792	3,941,527	161,771,829	322,070,08
Muskoka	76	856	2,610,057	198,688	5,655,604	10, 171, 66
Nipissing	81	2,425	9,360,704	1, 251, 276	16, 297, 415	35, 476, 90
Norfolk	97	2,348	8, 769, 560	704,185	51,318,346	70,118,72
Northumberland	114	1,935	6, 415, 610	478,762	19,421,191	37,378,95
Ontario	204	19,512	88, 231, 388	4,008,057	339,912,169	557,329,42
Oxford	189	7,555	26,752,838	4,760,856	86,794,418	146,074,93
Parry Sound	72	934	3,074,921	383, 197	6, 207, 751	14,752,02
Peel	182	13,333	67,064,207	9,613,132	176,148,687	322, 444, 54
Perth	154	4,994	17,099,538	2,635,947	45, 281, 381	80,890,06
Peterborough	139	9,565	44, 444, 215	1,670,079	73, 932, 831	146, 496, 42
Prescott	72		3,715,871	988,677	8, 246, 284	15,063,34

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada by Counties and Census Divisions 1959 - Continued

		7171310113 1.	Jos - Continue	u		
County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	nber		dollars		
Ontario - Concluded:				1	1	1
Prince Edward	55	742	2,078,595	966 001	5 000 000	
Rainy River	44	965	4, 180, 205	866, 921 1, 194, 285	5,396,791	10,758,035
Renfrew	176	4,090	12,714,262	1, 253, 156	9,333,345 24,304,516	19,727,936
Russell	48	202	518, 291	128, 139	4,660,508	52,611,446
Simcoe	263	8, 130	26,821,728	1,533,444	54, 599, 961	5,624,089
Stormont	90	6,138	24, 594, 073	5, 795, 294	44, 159, 468	100, 723, 499
Sudbury	121	11,019	51,990,359	18, 635, 743	129,848,637	377, 884, 554
Thunder Bay	202	7,743	34,510,456	11, 137, 730	88, 367, 723	177, 675, 214
Temiskaming	83	1,123	3,767,144	293,446	7,489,045	14,077,126
Victoria	82	2,036	6,336,679	517,357	9,407,148	23, 269, 960
Waterloo	544	32,659	119,999,544	5,968,081	250,054,633	485,017,239
Welland	296	23,307,	106, 982, 360	23,070,936	381,672,230	612,403,025
Wellington	228	9,121	34,061,654	2,388,192	65, 922, 631	127,629,785
Wentworth	642	55,657	254,066,503	32, 201, 120	566, 760, 272	1,150,827,567
York	4,851	214,033	883,500,675	38,700,988	1,749,265,905	3,373,540,512
Totals	13,081	615, 746	2, 564, 684, 234	0.00 110 000		
	13,001	013, 190	~, J04, 004, £34	262, 110, 202	6, 190, 618, 182	11,668,460,562
Manitoba:						
Division No. 1	62	407	792, 125	98,953	2,542,727	4,226,165
Division No. 2	39	413	1,063,134	170, 483	3,874,804	6, 138, 754
Division No. 3	32	98	228,648	35, 119	1,504,613	1,947,450
Division No. 4	11	85	238, 210	16,712	603,976	1,073,550
Division No. 5	77	3,334	13,753,024	2,758,717	44,115,972	79,371,958
Division No. 6	945	32, 399	115,081,106	8,310,085	316, 521, 630	549,731,131
Division No. 7	62	1,010	3,511,041	425,373	15, 163, 483	23,355,330
Division No. 8	17	96	224,108	30,165	1,110,928	1,594,416
Division No. 9	96	4,038	15,702,188	1,097,677	23,841,627	54,370,221
Division No. 10	17	131	427, 193	138,746	1,219,803	2,207,208
Division No. 11	22	78	171,709	28,480	952,465	1,353,354
Division No. 12	36	146	334,045	52,314	1,459,286	1,934,877
Division No. 13	34	157	360,696	57,789	1,547,589	2,416,581
Division No. 14	40	112	176,395	24,626	1,282,252	1,716,424
	117	641	1,934,403	773,340	6,353,460	12,071,933
Totals	1,607	43, 145	153, 998, 025	14,018,579	422,094,615	743, 509, 352
Saskatchewan:						
Division No. 1	22	215	716 620	250 011	1 505 45	4 0
Division No. 2	12	126	716,638 352,010	256, 214	1,595,478	4,000,822
Division No. 3	8	29	79, 267	61,752 7,845	1,701,137	2,797,840
Division No. 4	8	28	71,867	10,422	122,842	249, 221
Division No. 5	32	164	421,198	55, 424	2,820,819	284,785
Division No. 6	157	3,806	15,620,677	3,057,862	59,602,138	3,777,933
Division No. 7	48	1,383	5, 260, 707	1,274,962	32, 390, 896	106, 330, 884 45, 368, 624
Division No. 8	22	220	776,303	97,680	2, 805, 628	
Division No. 9	76	383	1,038,387	201, 120	4,316,295	4,685,309 7,596,998
Division No. 10	19	85	192, 229	31,060	1, 189, 903	1,588,172
Division No. 11	140	3,503	14,086,811	1,506,316	67, 164, 375	100, 152, 925
Division No. 12	9	33	82,014	11,595	275, 305	443,000
Division No. 13	13	101	353,530	61,859	624,026	2,186,366
Division No. 14	134	462	836, 104	124,644	3, 279, 999	5,062,999
Division No. 15	73	1,041	3,746,310	313, 306	15, 896, 746	25,023,311
Division No. 16	50	251	593,189	77, 033	2, 196, 183	3,416,821
Division No. 17	36	127	308,670	34,984	1,084,382	1,596,943
Division No. 18 and 19	24	582	2, 497, 905	2,450,572	16, 158, 470	32,757,368
Totals	883	12, 539	47,033,816	9, 634, 650	213, 376, 697	347, 320, 321

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Countries and Census Divisions 1959 - Concluded

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dol	lars	
Alberta:						
Division No. 1	49	1,875	6,826,771	645,565	17,828,065	38, 148, 399
Division No. 2	88	1,900	6,248,839	768,710	20,831,251	36, 251, 699
Division No. 3	34	407	1,249,885	232,561	4,754,442	9,997,289
Division No. 4	6	22	62,855	6,371	205,996	314,370
Division No. 5	31	125	355,694	41,290	585,094	1,176,683
Division No. 6	435	12,489	51,829,126	4,382,663	169,384,073	277,521,060
Division No. 7	34	243	904,898	241,691	3,908,756	6,487,387
Division No. 8	143	909	2,600,601	365,694	10,541,498	16,912,783
Division No. 9	31	416	1,573,858	848,921	2,315,787	6,383,560
Division No. 10	76	563	2,072,195	724, 105	9,821,830	16,005,756
Division No. 11	523	17, 213	68,837,424	7,540,697	254,790,557	424, 345, 191
Division No. 12	50	240	594,661	72,395	2,563,734	3,638,713
Division No. 13	105	601	1,490,233	256,425	5,815,649	9, 214, 136
Division No. 14	. 96	1,167	4,499,074	1,312,174	12,729,759	25,509,029
Division No. 15	129	1,352	3,359,299	522, 178	8, 192, 475	15,410,742
Totals	1,830	39, 522	152, 505, 413	17,961,440	524, 268, 966	887,316,797
British Columbia:						
Division No. 1	116	1,813	6,014,609	997,441	14, 213, 111	25, 150, 393
Division No. 2	162	6,021	25, 443, 490	3,904,417	66,503,684	123, 466, 690
Division No. 3	301	3,889	12,407,057	1,040,976	24, 154, 420	47,015,140
Division No. 4	1,894	57,330	242,085,965	19,094,287	576,860,172	1,043,288,723
Division No. 5	397	13,654	61,082,671	10,596,021	124,857,826	281,993,856
Division No. 6	265	3,407	11,544,513	1,406,796	28,730,953	52, 266, 369
Division No. 7	27	3,015	17,844,324	2,678,500	23,307,412	77, 515, 476
Division No. 8	681	7,231	22,749,649	2, 269, 169	56,100,016	98,800,037
Division No. 9	53	4,052	19,714,034	7,670,487	52, 173, 929	110,502,851
Division No. 10	96	756	2,518,774	575,439	8,022,653	15, 142, 590
Totals	3,992	101, 168	421, 405, 086	50, 233, 533	974, 924, 176	1,875,142,125
Yukon and Northwest Territories:						

APPENDIX I

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1959

MONTREAL METROPOLITAN AREA

MONTREAL METROPOLITAN AREA								
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments		
	num	nber		dol	lars	<u> </u>		
Foods and beverages: Bread and other bakery products Biscuits Butter and cheese Confectionery Dairy products, other Feeds, stock and poultry, prepared Fruit and vegetable preparations Milk pasteurizing	181 8 11 45 3 11 29	5, 397 2, 453 1, 790 2, 413 198 599 956	17, 192, 340 6, 838, 170 6, 608, 773 7, 391, 922 637, 448 2, 427, 641 2, 548, 336 2, 488, 525	1, 452, 300 437, 315 635, 537 380, 289 80, 202 215, 824 214, 069	24,030,268 15,688,814 22,495,304 21,063,458 2,384,043 26,317,742 10,288,428	50,697,183 31,904,703 34,821,020 38,555,398 4,155,779 32,475,247 17,175,419		
Milk pasteurizing Miscellaneous food preparations Sausage and sausage casings Slaughtering and meat packing Carbonated beverages All other industries ¹ Totals	17 59 14 27 25 24 454	598 2,672 177 4,013 1,225 6,739 29,230	2, 488, 525 9, 844, 198 499, 489 16, 767, 256 4, 970, 514 31, 311, 117 109, 525, 729	250, 891 548, 851 61, 683 1, 018, 735 511, 838 2, 599, 185 8, 406, 719	14, 376, 643 63, 352, 398 2, 137, 799 138, 665, 455 8, 697, 945 122, 237, 723 471, 736, 020	18, 802, 627 102, 457, 077 2, 965, 237 176, 272, 362 37, 048, 457 225, 123, 410 772, 453, 919		
Tobacco and tobacco products:								
Totals	10	5, 594	22, 240, 422	310, 284	72, 618, 392	135, 274, 166		
Rubber products:								
Totals	17	2, 080	8, 782, 187	443, 278	10, 325, 026	22, 621, 123		
Leather products: Belting, leather Boot and shoe findings, leather Footwear, leather Gloves and mittens, leather Miscellaneous leather goods ² Totals	5 12 58 13 78	63 219 6, 260 310 1, 928 8, 780	229, 308 612, 519 16, 692, 352 753, 794 4, 702, 575 22, 990, 548	12, 234 20, 922 214, 797 10, 233 97, 998 356, 184	205, 204 1, 190, 140 24, 336, 107 1, 128, 113 6, 489, 790 33, 349, 354	462, 047 2, 174, 243 47, 855, 848 2, 458, 406 14, 234, 325 67, 184, 869		
	100	0, 100	NN, 350, 348	330, 104	33, 329, 332	01, 104, 009		
Textiles: Awnings, tents and sails Bags, cotton and jute Cotton yarns and cloth Dyeing and finishing of textiles Embroideries, pleating, hemstitching, etc. Miscellaneous cotton goods Miscellaneous textiles Narrow fabrics Oilcloth and coated fabrics All other industries³ Totals	19 7 5 25 81 62 20 9 23 257	286 374 2, 443 735 1,047 183 2, 106 677 1,619 2,091	809,773 1,070,703 8,687,130 2,471,804 2,567,213 607,463 6,108,451 2,099,640 6,451,401 9,080,746 39,954,324	45,807 31,643 399,167 275,213 54,253 71,347 193,277 82,871 361,885 133,189	1, 462, 794 6, 586, 043 8, 929, 908 1, 396, 702 1, 873, 975 1, 796, 349 15, 531, 775 3, 779, 464 14, 103, 306 9, 072, 751 64, 533, 067	2, 952, 549 8, 661, 699 16, 628, 951 5, 560, 578 6, 248, 245 3, 161, 064 26, 883, 283 7, 934, 725 26, 176, 541 16, 651, 749 120, 859, 384		
Clothing: Clothing, children's, factory Clothing contractors, men's Clothing contractors, womens Clothing, men's factory Clothing, womens factory Clothing, womens factory Corsets Fur goods Hats and caps Miscellaneous clothing Oiled and waterproofed clothing All other industries' Totals	117 75 87 233 384 15 211 60 37 5 7	5,757 1,987 2,024 9,194 16,218 945 2,034 1,807 708 251 583	12, 946, 038 4, 785, 120 4, 180, 908 27, 862, 565 45, 287, 758 2, 095, 417 7, 200, 707 5, 118, 842 1, 738, 430 736, 952 2, 015, 429 113, 968, 166	155, 194 57, 766 51, 531 296, 819 390, 075 16, 233 106, 826 123, 444 29, 570 7, 897 60, 988 1, 296, 343	29, 920, 860 501, 426 552, 540 63, 058, 180 94, 304, 730 3, 521, 741 22, 696, 144 5, 736, 459 3, 214, 779 1, 382, 402 803, 067 225, 692, 328	51, 424, 852 6, 241, 203 6, 100, 437 107, 138, 576 174, 771, 038 7, 524, 602 34, 521, 854 14, 159, 325 6, 128, 904 2, 726, 978 4, 128, 844 414, 866, 613		
Knitting Mills: Hosiery Other knitted goods Totals	39 66 105	2, 095 3, 071 5, 166	5, 541, 495 7, 611, 087 13, 152, 582	168, 306 130, 915 299, 221	8,967,139 20,460,481 29,427,620	19,075,028 34,047,704 53,122,732		
Wood products: Boxes and baskets, wood Furniture Miscellaneous wood products Sash, door and planing mills All other industries ⁵ Totals	299 19 56 15 396	342 6,530 263 769 948 8,852	917, 693 20, 907, 487 671, 172 2, 621, 121 3, 331, 888 28, 449, 361	44, 123 655, 448 21, 191 157, 643 87, 864 966, 269	1, 419, 068 32, 379, 019 874, 370 6, 184, 240 4, 840, 378 45, 697, 075	2, 885, 102 66, 672, 647 2, 046, 587 10, 400, 452 9, 887, 610 91, 892, 398		

MONTREAL METROPOLITAN AREA - Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	nber		dollars		
Paper products: Boxes and bags, paper Miscellaneous paper goods All other industries ⁶ Totals	45 39 8 92	4, 480 1, 041 2, 445 7, 966	15, 311, 826 3, 622, 346 14, 791, 855 33, 726, 027	565, 010 131, 927 554, 470 1, 251, 407	46, 167, 586 10, 131, 690 9, 578, 562 65, 877, 838	74, 619, 830 19, 159, 292 19, 114, 182 112, 893, 304
Printing, publishing and allied products; Fngraving, stereotyping and electrotyping Lithographing Printing and bookbinding Printing and publishing Publishing (only) of periodicals Trade composition Totals	38 14 345 25 269 12 703	1, 015 648 5, 904 4, 867 2, 823 377 15, 634	4, 899, 209 3, 106, 052 23, 148, 760 24, 290, 433 10, 218, 658 1, 721, 648 67, 384, 760	87, 084 62, 425 477, 212 308, 775 — 21, 264 956, 760	1, 846, 783 3, 997, 491 21, 741, 935 20, 116, 026 15, 727, 752 196, 797 63, 626, 784	8, 796, 900 9, 567, 656 58, 958, 789 64, 440, 334 42, 645, 132 2, 888, 794 187, 297, 605
Iron and steel products: Boilers, tanks and platework Bridge buildings and structural steel Castings, iron Hardware, tools and cutlery Heating and cooking apparatus Machine shops Machinery, household, office and store Machinery, industrial Miscellaneous iron and steel products Primary iron and steel Sheet metal products Wire and wire goods Totals	15 10 7 64 13 66 13 37 72 4 80 30	1, 462 4, 691 1, 538 2, 049 982 469 4, 986 1, 266 2, 012 4, 335 3, 128 27, 926	6, 704, 260 22, 056, 396 6, 745, 092 7, 590, 599 4, 142, 640 3, 988, 137 1, 839, 112 21, 363, 387 4, 749, 835 9, 658, 764 19, 388, 748 13, 632, 448 121, 859, 418	176, 825 493, 422 381, 678 333, 208 154, 139 130, 928 53, 352 614, 101 160, 312 1, 271, 447 686, 234 730, 194 5, 185, 840	8, 493, 783 30, 797, 240 9, 762, 709 10, 394, 864 9, 159, 107 3, 425, 015 11, 855, 997 27, 074, 858 6, 927, 258 14, 590, 679 38, 841, 856 27, 795, 949 189, 119, 315	18, 453, 553 71, 196, 655 20, 931, 793 27, 415, 283 18, 194, 533 9, 340, 731 4, 803, 793 65, 471, 444 13, 733, 601 42, 077, 903 80, 151, 256 48, 918, 269 420, 688, 814
Transportation equipment: Motor vehicle parts Railway rolling stock All other industries' Totals	23 5 31 59	389 9,161 16,184 25,734	1, 421, 354 37, 198, 383 78, 733, 629 117, 353, 366	103, 292 1, 749, 145 1, 730, 557 3, 582, 994	2, 601, 056 71, 759, 139 62, 885, 001 137, 245, 196	5,006,839 115,609,304 169,906,600 290,522,74 3
Non-ferrous metal products: Aluminum products Jewellery and silverware White metal alloys All other industries* Totals	13 67 16 38 134	1, 052 994 367 3, 566 5, 979	5,959,600 3,068,813 1,453,926 15,274,009 25,756,348	53,064 33,436 128,230 1,950,153 2,164,883	1, 901, 441 4, 682, 346 6, 470, 833 192, 684, 760 205, 739, 380	3, 568, 349 9, 759, 691 9, 187, 533 223, 591, 757 246, 107, 330
Electrical apparatus and supplies: Machinery, heavy electrical Miscellaneous electrical apparatus and supplies' Refrigerators, vacuum cleaners and appliances Telecommunication equipment Totals	8 41 11 22 82	940 11, 172 1, 440 4, 931 18, 483	4, 199, 890 49, 984, 184 6, 093, 702 24, 116, 255 84, 394, 031	93, 488 1, 044, 053 375, 777 287, 222 1, 800, 540	5, 166, 796 58, 495, 112 12, 037, 426 29, 371, 940 105, 071, 274	10, 691, 099 138, 376, 361 25, 308, 385 49, 174, 586 223, 550, 431
Non-metallic mineral products: Concrete products Glass and glass products Miscellaneous non-metallic mineral products Stone products All other industries ²⁰ Totals	44 26 10 10 12	2, 143 2, 867 141 139 1, 825 7, 115	9, 126, 795 11, 126, 087 585, 142 477, 767 8, 025, 627 29, 341, 418	1, 175, 090 1, 796, 925 65, 654 29, 364 4, 358, 423 7, 425, 456	19,671,790 10,010,901 1,059,692 475,682 11,554,552 42,772,617	37, 739, 352 27, 454, 155 1, 973, 144 1, 345, 702 40, 523, 370 109, 035, 723
Products of petroleum and coal ¹¹ :						
Totals	11	3, 245	18, 010, 683	15, 651, 983	288, 838, 008	380, 847, 172
Chemicals and allied products: Acids, alkalies and salt Adhesives Gases, compressed Inks Medicinal and pharmaceutical preparations Miscellaneous chemical products Paints, varnishes and lacquers Polishes and dressings Primary plastics	6 9 6 11 66 49 31 10	1,369 134 252 253 3,503 626 2,260 137 528	7,821,296 578,414 1,095,806 917,111 13,693,058 2,469,224 9,613,084 589,260 2,882,998	1,400,616 48,442 139,641 37,695 397,008 146,194 219,775 33,938 122,073	20, 390, 367 1, 944, 415 678, 946 2, 326, 781 19, 976, 431 5, 442, 368 19, 464, 668 1, 840, 618 6, 673, 649	35, 264, 125 3, 800, 649 4, 745, 774 4, 882, 273 67, 692, 529 11, 364, 853 40, 163, 693 3, 223, 007 8, 068, 467
Soaps, washing compounds and cleaning prepara- tions Toilet preparations All other industries ²² Totals	34 30 6 262	508 892 1,006 11,468	1,760,300 3,120,243 6,191,184 50,731,978	128, 383 45, 003 133, 083 2, 851, 851	4, 373, 072 6, 415, 013 7, 895, 029 97, 421, 332	9, 703, 450 19, 014, 566 10, 876, 617 218, 800, 003

MONTREAL METROPOLITAN AREA - Concluded

	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
Miscellaneous manufacturing industries: Artificial flowers and feathers Brooms, brushes and mops Buttons, buckles and fasteners Candles Clocks, watches and watch cases Hair goods Instruments and related products Lamps, electric, and lampshades Models and patterns (excluding paper) Ophthalmic goods Orthopaedic and surgical appliances Other miscellaneous industries Pipes, lighters and smokers' supplies Plastic products Signs, electric, neon and other Sporting goods Stamps and stencils, rubber and metal Statuary, art goods and regalia Toys and games All other industries Totals	22 23 29 7 16 3 18 32 10 6 4 4 4 4 0 49 8 8 12 24 11 16 343	299 377 783 87 134 21 1,482 26 82 28 434 26 918 789 135 151 223 635 775 8,017	711, 053 903, 818 2, 070, 053 252, 993 469, 004 61, 774 6, 373, 202 1, 508, 261 326, 527 236, 688 72, 795 1, 263, 016 102, 322 3, 013, 998 2, 999, 482 293, 064 585, 811 610, 785 1, 644, 679 2, 283, 847 25, 793, 172	11, 978 26, 778 56, 362 17, 532 9, 532 1, 041 94, 166 41, 153 7, 789 1, 892 46, 626 5, 930 157, 944 195, 466 5, 611 15, 619 20, 958 67, 789 128, 032 920, 518	636, 206 1, 617, 408 3, 217, 887 442, 367 1, 516, 806 134, 175 10, 290, 347 3, 598, 540 96, 835 297, 622 41, 683 2, 950 8, 942, 950 1, 968, 299 647, 037 527, 630 2, 951, 958 3, 060, 017 42, 362, 619	1,800,271 3,171,587 6,998,358 1,085,299 2,347,026 226,335 18,182,682 6,262,296 553,658 626,696 277,694 4,950,195 174,990 17,211,067 7,962,285 1,145,757 1,218,486 1,327,195 6,189,099 7,979,548 89,590,544
Grand totals, Metropolitan Montreal	4, 835	244, 338	933, 414, 520	55, 519, 682	2, 191, 453, 245	3, 957, 603, 873

The Following Municipalities are Included in Greater Montreal

		1				
Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	nber		dol	lars	
Dorval Jacques Cartier L'Abord-å-Plouffe Lachine La Salle	11 27 7 82 50	342 1,126 102 12,536 5,675	1, 284, 423 3, 951, 861 309, 764 54, 987, 612 23, 913, 173	33, 945 271, 088 16, 099 2, 172, 963 1, 835, 594	1,934,234 8,175,244 349,775 91,208,270 68,944,286	4,642,577 16,454,152 889,484 195,931,710 139,516,655
Laval-des-Rapides Longueuil Montreal City Proper Montreal East Montreal North	16 31 3, 951 43 63	195 3,297 173,279 7,130 1,271	541, 428 14, 407, 924 626, 970, 086 34, 756, 687 4, 609, 568	31, 607 435, 085 22, 086, 472 19, 958, 847 236, 342	789, 426 15,550,711 1,219,183,717 472,691,317 10,065,255	1,842,406 33,993,025 2,329,633,902 606,095,358 19,097,699
Mont-Royal Outremont Pointe-aux-Trembles Pointe-Claire Pont Vlau Ste-Genevieve-de-Pierrefonds	54 64 16 9 11	6, 138 2, 143 1, 081 229 191 85	25, 132, 066 7, 961, 825 4, 170, 348 958, 631 525, 816 171, 617	774, 657 240, 694 2, 276, 073 115, 016 24, 324 16, 689	78,808,021 15,640,990 34,962,760 3,738,130 801,043 484,847	133,746,368 31,780,727 51,591,110 5,620,902 1,696,066 720,955
St-Lambert St. Laurent St. Michel Verdun Westmount All others¹	25 98 99 68 34 69	1,088 17,495 2,125 1,540 1,783 5,487	3,547,639 83,179,151 7,760,426 4,636,916 6,571,357 23,066,202	150, 237 2, 238, 289 546, 842 127, 962 373, 717 1, 557, 140	6,273,221 89,471,852 17,444,672 6,018,838 9,453,910 39,462,726	12, 896, 412 226, 231, 599 29, 715, 713 14, 208, 187 21, 196, 948 80, 101, 918
Totals	4, 835	244, 338	933, 414, 520	55, 519, 682	2, 191, 453, 245	3, 957, 603, 873

¹ Includes: Anjou; Cote-St-Luc; Greenfield Park; Le Moyne; Mackayville; Montreal South; Montreal West; Roxboro; Ste-Anne-de-Bellevue; St. Joachim-de-la-Pointe-Claire; St-Leonard-de-Port Maurice; St. Pierre; Parishes of Asile, Ste-Anne-au-Bout-de-L'lle; Riviere-des-Prairies.

¹ Includes: Animal oils and fats, 1; breakfast foods, 2; breweries, 4; cheese processed, 3; distilled liquors, 3; flour mills, 3; macaroni and kindred products, 5; sugar refining, 2; wines, 1.

² Includes: Leather tanning, 3.

³ Includes: Automobile accessories, fabric, 3; cordage, rope and twine, 1; cotton thread, 7; miscellaneous woollen goods, 3; synthetic textiles, 5; woolen cloth, 2; woollen yarn, 2.

⁴ Includes: Fur dressing and dyeing, 6; gloves and mittens, fabric, 1.

⁵ Includes: Fur dressing and dyeing, 6; gloves and mittens, fabric, 1.

⁵ Includes: Pulp and paper mills, 3; roofing paper, 5.

° Includes: Pulp and paper mills, 3; roofing paper, 5.

° Includes: Pulp and paper mills, 3; roofing paper, 5.

° Includes: Brass and copper, 29, smelters, 1; miscellaneous non-ferrous, 8.

° Includes: Brass and copper, 29, smelters, 1; miscellaneous non-ferrous, 8.

° Includes: Abrasive products, 1; asbestos products, 2; clay products from domestic clay, 1; clay products from imported clay, 3; cement

Includes: Batteries, 2;
 Includes: Abrasive products, 1; asbestos products, 2; clay products from domestic clay, 1; clay products from imported clay, 3; cement hydraulic, 1; gypsum products, 3; sand-lime brick, 1
 Includes: Coke and gas products, 1; miscellaneous products of petroleum and coal, 3; petroleum products, 7.
 Includes: Coal tar distillation, 1; fertilizers, 2; vegetable oils, 1; explosives, 2.
 Includes: Musical instruments, 3; fountain pens and pencils, 5; ice, artificial, 2; typewriter supplies, 2; umbrellas, 4.

TORONTO METROPOLITAN AREA

	TORONTO	METROPOL	HAN AREA			
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	iber		doll	ars	
Foods and beverages: Biscuits Bread and other bakery products Brewerles Butter and cheese Confectionery Dairy products, other Feeds, stock and poultry, prepared Fruit and vegetable preparations Milk, pasteurizing Miscellaneous food preparations Sausage and sausage casings Slaughtering and meat packing Carbonated beverages Wines All other industries' Totals	5 222 5 10 40 6 10 20 19 62 16 22 18 4 24	1, 364 6, 896 1, 105 2, 023 3, 514 26 454 1, 641 1, 116 2, 153 315 5, 412 1, 146 108 1, 491	4, 359, 961 23, 323, 782 6, 143, 459 8, 887, 991 10, 866, 993 7, 453, 012 4, 657, 114 4, 657, 114 4, 657, 114 9, 77, 125, 772, 633 5, 163, 076 642, 813 6, 769, 474	232, 243 1, 842, 089 402, 290 687, 401 625, 789 14, 864 181, 693 361, 701 455, 169 459, 132 87, 984 1, 659, 778 407, 364 29, 534 930, 254 8, 377, 285	8, 654, 069 33, 010, 884 8, 148, 673 25, 949, 642 30, 243, 009 274, 681 17, 807, 855 24, 929, 670 10, 997, 355 41, 411, 529 5, 392, 874 202, 751, 138 5, 813, 228 896, 269 34, 218, 508	20, 796, 666 72, 009, 273 36, 835, 315 38, 213, 908 60, 477, 985 512, 409 27, 526, 530 45, 063, 319 18, 174, 938 63, 482, 272 7, 320, 973 248, 926, 690 22, 057, 119 3, 967, 842 52, 141, 501
1 otals	200	20,101				
Totals	4	513	2, 117, 755	25, 873	5, 577, 245	10, 449, 711
Rubber goods:						
Totals	15	5, 108	23, 267, 215	1, 515, 247	44, 175, 519	95, 846, 937
Leather products: Footwear, leather Miscellaneous leather goods	36 48 10	1,085	4, 541, 036 2, 924, 535 2, 426, 487	56, 728 64, 516 170, 577	6, 950, 616 3, 833, 959 7, 430, 864	13, 545, 598 8, 036, 511 10, 957, 337
Totals	94	3,409	9,892,058	291, 821	18, 215, 439	32, 539, 446
Textiles: Automobile accessories, fabric Awnings, tents and sails Bags, cotton and jute Dyeing and finishing of textiles Embroidery, pleating, hemstitching, etc. Miscellaneous textiles Miscellaneous woollen goods Narrow fabrics Woollen yan All other industries ³	8 23 5 12 31 60 10 10	409 121 227 282 1,134 10 428 170 749	246, 031 1, 106, 402 387, 178 841, 241 813, 452 3, 559, 769 1, 720, 452 465, 162 2, 237, 649 7, 132, 206	8, 487 43, 454 10, 639 49, 651 17, 824 118, 192 111, 833 14, 082 128, 976 343, 670	423, 732 2, 842, 480 2, 837, 355 347, 989 348, 839 8, 969, 783 3, 414, 777 639, 089 4, 690, 294 12, 439, 402	752, 937 4, 646, 561 3, 616, 485 1, 872, 702 1, 613, 233 15, 850, 842 6, 959, 759 1, 528, 776 8, 600, 983 20, 464, 078
Totals	183		18, 509, 542	846, 808	36, 953, 740	65, 906, 356
Clothing: Clothing contractors, men's Clothing contractors, wemen's Clothing contractors, women's Clothing, men's factory Clothing, women's factory Corsets Fur goods Hats and caps Miscellaneous clothing ⁴ Totals	22 1- 1: 10: 16: 1- 13: 44 2: 2:	186 1 89 3 6,103 2 5,583 4 1,108 8 1,157 929 603	2,725,540 445,259 175,893 17,291,677 16,738,637 3,004,283 4,861,362 2,566,681 1,677,785	23,387 6,266 2,826 185,756 149,267 25,729 90,393 43,019 39,914	45, 118 22, 371, 971 24, 112, 563 4, 221, 970 10, 659, 265 2, 974, 122 1, 762, 037	6,604,954 4,468,869
Knitting mills:	1	3 647	1, 766, 253	46, 188	2,434,048	5, 072, 073
Other knitted goods	3'	7 2, 107	1,766,253 5,669,839		12, 374, 918	22, 126, 570
Totals	5	0 2,754	7, 436, 092	187, 557	14,808,966	W1, 150, 043
Wood products: Flooring, hardwood Furniture Miscellaneous wood products Sash, door and planing mills Woodturning All other industries ⁵	32 3 5		2, 293, 714 4, 083, 518 431, 160	48, 028 594, 453 54, 397 212, 887 10, 714 58, 488	39, 687, 837 2, 748, 376 10, 230, 345 4 306, 639	2,426,200 72,569,315 6,216,456 17,685,284 850,685 4,748,638
Totals	. 44	8,060	29, 539, 603	978, 96	56, 550, 923	104, 496, 578

TORONTO METROPOLITAN AREA - Continued

TORONTO METROPOLITAN AREA - Continued								
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments		
_	numl	per		dollars				
Paper products: Boxes and bags, paper Miscellaneous paper goods ⁶ Pulp and paper mills	55 67 7	4, 904 4, 075 1, 551	19, 259, 566 15, 944, 216 9, 769, 965	577, 435 596, 529 1, 664, 934	48, 966, 133 36, 804, 724 13, 902, 183	81, 347, 043 70, 936, 583 26, 138, 744		
Totals	129	10,530	44,973,747	2,838,898	99, 673, 040	178, 422, 370		
Printing, publishing and allied industries: Engraving, stereotyping and electrotyping Lithographing Printing and bookbinding Printing and publishing Publishing (only) of periodicals Trade composition Totals	55 44 417 42 326 17	1, 622 1, 902 10, 001 7, 205 1, 358 613	9, 814, 979 8, 856, 771 42, 952, 112 37, 425, 949 5, 012, 837 3, 169, 166	176, 369 155, 002 889, 551 637, 992 35, 300	3,530,234 13,776,476 46,674,323 30,193,749 10,488,322 326,476	17, 293, 447 27, 348, 138 120, 143, 951 102, 352, 904 21, 810, 971 4, 879, 758		
	301	22, 701	107, 231, 814	1, 894, 214	104, 989, 580	293, 829, 169		
Iron and steel products: Boilers, tanks and platework Bridge building and structural steel Castings, iron Hardware, tools and cutlery Heating and cooking apparatus Machine shops Machinery, household, office and store Machinery, industrial? Miscellaneous iron and steel products Sheet metal products Wire and wire goods	19 10 15 122 30 87 26 93 81 109	2, 338 2, 526 1, 292 3, 188 3, 168 4, 197 10, 023 2, 098 5, 894 792	11, 013, 914 12, 449, 649 5, 425, 623 13, 527, 310 13, 711, 658 4, 206, 360 19, 717, 290 47, 654, 332 8, 988, 146 26, 585, 989 3, 306, 480	586, 619 451, 887 268, 022 552, 857 482, 685 145, 816 346, 557 1, 139, 419 483, 651 1, 058, 537 175, 505	12, 496, 523 20, 267, 773 8, 957, 638 16, 987, 077 24, 902, 582 2, 815, 677 39, 090, 204 71, 709, 389 11, 436, 610 52, 898, 922 7, 359, 812	30, 327, 907 40, 391, 645 18, 303, 256 40, 423, 819 51, 587, 347 9, 650, 922 79, 711, 307 126, 295, 940 28, 468, 177 100, 135, 569 11, 725, 457		
Totals	627	36, 508	166, 586, 751	5,691,555	268, 922, 207	537, 021, 346		
Transportation equipment: Motor vehicle parts All other industries* Totals	36 22 58	2, 906 6, 078 8, 984	11, 582, 886 28, 360, 717 39, 943, 60 3	530, 208 617, 814 1, 148, 022	20, 548, 292 29, 536, 139 50, 084, 431	43, 187, 667 60, 197, 318 103, 384, 985		
Non-ferrous metal products: Aluminum products Brass and copper products Jewellery and silverware Miscellaneous non-ferrous metal products White metal alloys Totals	26 34 85 10 19	1, 597 2, 467 1, 991 595 1, 349	6, 540, 575 11, 165, 490 7, 046, 239 2, 853, 740 5, 050, 664 32, 656, 708	410, 083 787, 601 171, 437 189, 773 534, 781 2, 093, 675	8, 987, 965 31, 305, 482 20, 896, 204 5, 180, 111 17, 833, 663	19, 899, 409 53, 592, 273 32, 520, 229 10, 933, 866 27, 472, 256		
		.,555	32, 630, 100	2,053,013	84, 203, 425	144, 418, 033		
Electrical apparatus and supplies: Batteries Machinery, heavy electrical Miscellaneous electrical products Refrigerators, vacuum cleaners and appliances Telecommunication equipment	4 31 67 31 35	768 5, 115 6, 000 2, 514 5, 841	3, 382, 490 23, 647, 830 25, 858, 259 9, 985, 165 23, 554, 494	197, 031 740, 582 1,020,707 531,807 467,880	9, 085, 178 29, 319, 552 50, 247, 602 26, 331, 024 32, 535, 371	15, 777, 879 66, 943, 721 94, 411, 390 45, 245, 845 66, 589, 310		
Totals	168	20, 238	86, 428, 238	2, 958, 007	147, 518, 727	288, 968, 145		
Non-metallic mineral products: Clay products from domestic clay Concrete products Glass and glass products Miscellaneous non-metallic mineral products Sand-lime brick Stone products All other industries*	6 43 31 10 3 16 6	444 1,521 1,692 74 63 459 595	1, 794, 684 6, 889, 891 6, 937, 388 331, 248 223, 042 2, 122, 415 3, 029, 210 21, 327, 878	612, 781 766, 508 1, 071, 262 26, 629 30, 541 206, 665 161, 340 2, 875, 726	67, 765 13, 791, 525 7, 145, 882 1, 538, 586 145, 775 2, 407, 390 1, 492, 718 26, 589, 641	3,728,993 29,627,697 18,157,200 3,108,120 544,311 5,523,542 5,803,112 66,492,975		
Products of petroleum and coal:10 Totals	15	2,683	16,717,804	196, 298	11, 197, 138	17, 908, 987		

TORONTO METROPOLITAN AREAS - Concluded

Industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dol	ars	
Chemicals and allied products:						
Acids, alkalies and salts	4	321	1,887,626	243,613	2,860,952	5, 406, 652
Adhesives		340	1,540,721	172, 132	4, 556, 113	8,059,034
Fertilizers	3	93	354,481	29, 221	2,936,641	4, 228, 650
Gases, compressed	6	526	2,419,138	116,560	915, 131	4, 891, 989
Inks	19	716	3, 139, 142	120,172	5,360,978	12, 584, 215
Medicinal and pharmaceutical preparations	45	2, 171	8, 119, 278	214,396	11,714,602	39, 158, 933
Miscellaneous chemical products	63	1,010	4, 191, 290	395, 406	15, 355, 040	28, 648, 488
Paints, varnishes and lacquers	42	2, 249	9,669,617	434, 194	30, 174, 373	60,960,982
Polishes and dressings	14	292	1,176,157	51,503	3,796,779	7,944,156
Primary plastics	7	209	1,012,019	119,324	5, 785, 436	8,705,786
Soaps, washing compounds and cleaning prepara-						
tions	35	2,358	11,077,038	811,051	31,365,978	75, 359, 524
Toilet preparations	30	1,064	3,296,821	74,884	7,386,868	21, 524, 475
All other industries ¹¹	5	425	2,123,325	897,407	32,371,355	40,898,302
Totals	284	11,774	50, 006, 653	3,679,863	154, 580, 246	318, 371, 186
Miscellaneous manufacturing industries:						
Artifical flowers and feathers	11	126	311, 743	6,535	194,055	1 160 142
Brooms, brushes and mops	12	382	1.130.673	22,332	1,435,523	1, 169, 143 3, 387, 502
Buttons, buckles and fasteners	4	60	162,947	4,617	217, 135	463,680
Clocks, watches and watch cases	15	313	1.041.719	14,499	4, 227, 142	7, 334, 264
Fountain pens and pencils	5	378	1,485,965	26,686	1,769,307	4,723,073
Hair goods	4	66	251.745	27,969	248,390	620,895
Ice, artificial	5	106	362,688	88,904	76,804	951.134
Instruments and related products	33	3,935	18,346,301	517,904	24, 491, 330	59, 394, 435
Lamps, electric, and lamp shades	18	521	1,474,104	34,814	2,751,244	6, 104, 792
Models and patterns (excluding paper)	21	184	867, 689	23,785	384, 705	1,633,837
Musical instruments	8	494	1,940,902	61,299	2,219,657	6, 174, 501
Opthalmic goods	6	413	1,341,484	26,864	1,005,591	1,977,588
Orthopaedic and surgical appliances Other miscellaneous industries	9	156	471,502	11,825	462,665	1,231,822
Plastic products	14 49	465	1,584,849	75,459	2,400,746	5, 882, 251
Signs, electric, neon and other	71	1,235	3,833,761	139,344	7,925,168	15, 427, 588
Sporting goods	17	539	3,682,326 1,640,264	145,940	3,764,768	9,128,976
Stamps and stencils, rubber and metal	18	313	1, 201, 866	53, 134 33, 239	2,348,759	4, 498, 140
Statuary, art goods regalia and novelties	28	329	971, 768	22, 130	595, 264 978, 639	2,118,342 2,997,312
Toys and games	32	1.618	4, 105, 678	136,917	7, 736, 800	14,843,714
Typewriter supplies	5	322	1, 132, 928	36, 135	2,581,776	5, 236, 862
All other industries12	6	119	395,357	13,461	830,834	2,015,750
Totals	391	13,017	47, 738, 259	1,523,792	68, 646, 302	157, 315, 601
Grand totals, Metropolitan Toronto	4, 668	210, 230	869, 883, 232	37, 690, 165	1,714,348,045	3,305,803,369

¹ Includes: Animal oils and fats, 4; breakfast foods, 2; cheese processed, 3; distilled liquors, 4; feed milk, 2; flour mills, 1; macroni and kindred products, 5; malt and malt products, 2; sugar refinieries, 1.
² Includes: Belting, leather, 2; boot and shoe findings; leather, 1; leather gloves and mittens, 3; leather tanning, 4.
³ Includes: Carpets, mats and rugs, 2; cordage, rope and twine, cotton thread, 4; 2 cotton yams, 2; linoleum and coated fabrics, 3; miscellaneous cotton goods, 4; synthetic textiles and silk, 1; woollen cloth, 1.
⁴ Includes: Fabric gloves and mittens, 1; fur dressing and dyeing, 2; miscellaneous clothing, 17.
² Includes: Beekeepers' and poultrymen's supplies, 1; boxes and baskets wood, 7; excelsiors, 2; mortician's supplies, 2; sawmills, 1; woodenware. 3.

Includes: Beekeepers and space of the space

Municipality	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments			
	nur	mber	dollars						
Toronto (city proper) Etobicoke Township Forest Hill Leaside Long Branch Mimico New Toronto Scarboro Township Swansea Weston York Township East York Township North York Township	3,073 362 11 44 21 36 42 309 14 59 213 102 382	123,963 17,018 48 7,904 1,023 938 7,613 12,502 874 2,545 10,415 4,710 20,677	503, 765, 998 70, 445, 604 147, 369 33, 475, 226 4, 193, 932 3, 576, 372 37, 405, 697 52, 015, 449 3, 959, 627 10, 506, 595 43, 648, 453 17, 680, 700 89, 062, 210	21, 048, 608 3, 680, 880 14, 477 1, 363, 432 238, 811 223, 450 2, 442, 567 2, 821, 849 207, 172 512, 933 1, 623, 333 1, 049, 564 2, 463, 089	1,013,054,770 136,728,688 220,090 64,629,198 10,388,209 6,513,314 103,044,226 95,117,851 8,351,615 16,222,879 88,016,106 32,483,941 139,517,158	1,875,649,225 281,581,444 443,192 115,111,374 22,134,140 13,166,792 197,631,640 202,761,207 15,769,442 33,452,712 181,143,012 73,660,864 293,298,325			
Totals	4,668	210, 230	869, 883, 232	37, 690, 165	1,714,348,045	3,305,803,369			

HAMILTON METROPOLITAN AREA

	T					
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nur	nber	dollars			
Foods and beverages:			1			
Bread and other bakery products	53 9	1, 408	4,318,031 889,937	351, 804	4, 329, 679	10, 455, 732
Feed mills	5	11	32,441	51,718 5,768	1,858,903 260,980	5, 269, 243 344, 846
Feeds, stock and poultry, prepared Fruit and vegetable preparations	5 14	13	30, 293 3, 689, 480	6,937 179,944	182,911 9,965,037	233,508 15,996,521
Milk nasteurizing	7	449	1, 986, 873	173, 035	4, 173, 965	7, 190, 589 2, 995, 230
Carbonated beverages All other industries ¹	6 26	150 1,851	597, 735 7, 421, 283	69, 928 493, 062	833,895 46,286,515	2, 995, 230 64, 613, 090
Totals	125	5, 599	18, 966, 073	1, 332, 196	67, 891, 885	107, 098, 759
Leather products:						
Totals	6	349	883, 124	15, 801	1, 526, 191	2, 625, 648
Textiles:						
Awnings, tents and sails	5 4	79	234, 054	6,758	198, 037	526, 225
All other industries ²	12	1, 330 704	3,816,035 2,242,551	260, 579 138, 552	5,737,355 4,153,523	12,738,335 8,937,920
Totals	21	2, 113	6, 292, 640	405, 889	10, 088, 915	22, 202, 480
Clothing:						
Clothing, men's factory Fur goods All other industries ³	6	641	1,670,176	25, 283	2, 246, 971	4, 466, 184
All other industries ³	4 5	20 53	73,486 117,008	1,970 1,080	98, 425 144, 191	248,211 301,393
Totals	15	714	1, 860, 670	28, 333	2, 489, 587	5, 015, 788
Knitting mills:4						
Totals	6	597	1, 499, 241	44, 485	2, 229, 975	5, 242, 974
Wood products:						
Boxes and baskets, wood	36	105 251	296,395 940,074	7, 801 28, 856	430, 444	1,026,582
Furniture Sash, door and planing mills All other industries ⁵	12	410	1,426,211	107, 208	699, 222 2, 741, 366	1,853,617 5,374,394
	8	146	462,343	32, 196	638, 898	1,419,652
Totals	60	912	3, 125, 023	176, 061	4, 509, 930	9, 674, 245
Paper products:	14	1 000	4 500 100	100 150	14 087 040	
Boxes and bags, paper	14	1,099 642	4, 502, 196 2, 510, 865	170, 157 126, 715	14, 055, 318 7, 401, 576	23, 346, 016 11, 897, 356
Totals	20	1, 741	7, 013, 061	296, 872	21, 456, 894	35, 243, 372
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	9 56	177	1, 051, 097 1, 847, 899	18,778	286, 201	1,702,044
Printing and bookbinding	19	453 273	170, 189	45,668	1, 779, 993 290, 175	4, 795, 969 520, 073
All other industries	11	766	3, 499, 514	62, 140	3,216,556	10,630,661
Totals	95	1, 669	6, 568, 699	126, 586	5, 572, 925	17, 648, 747
Iron and steel products:						
Castings, iron	8 23	575 665	2,662,650 2,639,146	202, 332 95, 406	8, 992, 763 2, 256, 593	14,382,569 6,599,403
Machine shops	18	208 1,312	886,106	36,342	949, 204	2,744,781
Machinery, Industrial	14	215	6, 273, 605 1, 027, 015	262, 979 55, 316	7, 437, 127 1, 931, 816	19,744,671 3,285,847
Sheet metal products Wire and wire goods	26 18	1,957 2,927	9,605,408 14,421,494	412, 568 876, 562	20, 275, 762 35, 035, 066	33, 704, 576 55, 605, 430
All other industries	24	19, 144	101, 704, 501	20, 048, 208	211, 581, 912	454, 481, 291
Totals	144	27, 003	139, 219, 925	21, 989, 713	288, 460, 243	590, 548, 568
Non-ferrous metal products:						
Brass and copper products Jewellery and silverware	7 5	403	1, 807, 339	119, 247	3, 252, 963	6, 010, 108
All other industries	10	337	223, 855 1, 406, 224	2,866 153,889	218,585 3,507,515	602,051 5,867,960
Totals	22	810	3, 437, 418	276, 002	6, 979, 063	12, 480, 119
Electrical apparatus and supplies 10						
Totals	21	5, 855	27, 104, 190	1, 000, 219	30, 890, 811	94, 519, 707
						

HAMILTON METROPOLITAN AREAS - Concluded

					- Contract of the last of the	
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	ber		dol	lars	
Non-metallic mineral products: Clay products from domestic clay Concrete products Stone products All other products ¹¹ Totals	7 15 4 16 42	294 446 116 1,617 2,473	1, 162, 222 1, 833, 743 510, 022 6, 496, 807 10, 002, 794	420, 197 260, 815 35, 969 1, 150, 603 1, 867, 584	27, 429 2, 214, 550 449, 585 7, 154, 578 9, 846, 142	2, 413, 118 6, 041, 138 1, 170, 404 21, 276, 032 30, 900, 692
Products of petroleum and coal:12 Totals	5	589	3, 022, 582	2, 920, 195	29, 711, 739	46, 814, 171
Chemicals and allied products: Miscellaneous chemical products Polishes and dressings All other products ¹³ Totals	12 5 20 37	298 62 1,275 1,635	1, 443, 860 191, 918 6, 694, 492 8, 330, 270	94,655 7,958 875,989 978,602	4, 786, 986 610, 520 31, 110, 337 36, 507, 843	8, 650, 335 1, 258, 160 64, 508, 677 74, 417, 172
Miscellaneous manufacturing industries: Brooms, brushes and mops Plastics products Signs, electric, neon and other Sporting goods Stamps and stencils, rubber and metal All other industries	6 4 16 3 4 13	360 102 144 200 81 184 891	1, 247, 016 282, 190 512, 257 55, 707 355, 791 503, 226 2, 936, 187	33,074 3,706 24,973 1,572 5,276 36,634 105,235	1,419,236 499,664 428,673 90,480 143,253 1,072,327 3,653,633	3, 791, 755 960, 643 1, 345, 906 194, 744 596, 063 1, 792, 768 8, 681, 879
All other major groups:15 Totals	14	4, 206	19, 267, 455	1, 120, 065	59, 096, 055	112, 885, 755
Grand totals, Metropolitan Hamilton	679	57, 156	259, 549, 352	32, 683, 838	580, 911, 831	1, 176, 000, 076

¹Includes: Animal oils and fats, 1; biscuits, 3; breweries, 1; butter and cheese, 4; flour mills, 1; macaroni and kindred products, 1; miscellaneous food preparations, 8; sausage and sausage casings, 4; slaughtering and meat packing, 3.
¹Includes: Bags, cotton and jute, 1; cordage, rope and twine, 1; cotton thread, 1; dyeing and finishing of textiles, 1; embroideries, pleating and hemstitching, 2; fabric, automobile accessories, 1; miscellaneous textiles, 2; miscellaneous woollen goods, 1; narrow fabrics, 1; woollen yarn, 1.
¹Includes: Clothing, women's, factory, 1; corsets, 1; hats and caps, 2; miscellaneous clothing, 1.
¹Includes: Hosiery, 1; other knitted goods, 5.
¹Includes: Hardwood flooring, 1; lasts, trees and shoe findings, 2; miscellaneous wood products, 2; morticians supplies, 2: sawmills, 1.
¹Includes: Miscellaneous paper goods, 5; roofing paper, 1.
¹Includes: Mithographing, 2; printing and publishing, 6; trade composition, 3.
¹Includes: Agricultural implements, 2; boilers tanks and plate work, 3; fabricated and structural steel, 2; heating and cooking apparatus, 4; machine tools, 3; machinery, household office and store, 4; primary iron and steel, 6.
¹Includes: Batteries, 1; machinery, heavy electrical, 4; miscellaneous electrical apparatus and supplies, 6; refrigerators, vacuum cleaners and appliances, 5; telecommunication equipment, 5.

and appliances, 5; telecommunication equipment, 5.

"Includes: Abrasive products, 3; asbestos products, 3; clay products from imported clay, 4; glass and glass products, 4; miscellaneous non-

"Includes: Abrasive products, 3; aspestos products, 3; citay products from imported citay, 4, glass and glass products, 4, miscertaineds from metallic products, 2:

12 Includes: Coke and gas products, 3; miscellaneous products of petroleum and coal, 1; petroleum coal, 1; petroleum coal, 1; petroleum coal, 1; petroleum coal, 2; medicinal and pharmaceutical preparations, 1; paints varnishes and lacquers, 3; soaps, washing compounds and cleaning preparations, 7; toilet preparations, 2; vegetable cils, 1.

14 Includes: Buttons, buckles and fasteners, 1; ice, artificial, 1; lamps, electric and lamp shades, 1; models and patterns, 2; ophthalmic goods, 2; orthopaedic and surgical appliances, 2; toys and games, 4.

15 Includes: Tobacco and tobacco products, 1; rubber products, 5; boat building, 1; motor vehicles, 2; motor vehicle parts, 1; railway rolling

stock. 4.

The following Municipalities are Included in Greater Hamilton

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Hamilton (city proper) Burlington Dundas Stoney Creek Waterdon Barton Township Nelson Township All others¹ Totals	525 39 37 13 7 15 11 32 679	52,820 1,403 1,080 340 65 159 335 954	244, 629, 848 4, 992, 145 3, 925, 268 747, 602 187, 436 573, 112 1, 233, 816 3, 260, 125 259, 549, 352	31, 285, 574 452, 223 185, 130 76, 422 16, 377 77, 940 77, 824 512, 348 32, 683, 838	547, 666, 412 12, 220, 534 5, 245, 920 2, 580, 381 411, 656 946, 163 4, 866, 914 6, 973, 851 580, 911, 831	1,114,137,316 21,709,250 10,664,659 4,484,689 706,122 2,477,847 8,082,482 13,737,711

¹ Burlington Beach, Ancaster Township, Flamborough East Township, Flamborough West Township, Saltfleet Township.

WINDSOR METROPOLITAN AREA

	WINDSOR	METROTOL	HAN AKEA			
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nu	mber	dol		llars	
Foods and beverages:						
Bread and other bakery products	24	465	1,439,261	150,713	1,601,049	3,614,283
Confectionery	3	9	20,926	434	33, 372	62, 190
Fruit and vegetable preparations	5	196	667,946	33, 339	2,026,083	3, 426, 544
Miscellaneous food preparations	4	75	196, 624	20, 175	623, 174	1,354,404
Sausage and sausage casings	3	25	81,106	6,677	273,686	430, 495
Carbonated beverages	6	91	307,056	39,064	590, 621	1,951,951
All other industries ¹	13	2,078	9, 211, 920	792, 709	29, 185, 979	74, 698, 748
Totals	58	2, 939	11, 924, 839	1, 043, 111	34, 333, 964	85, 538, 615
Textiles:2						
Totals	8	290	1, 044, 138	33, 419	1, 701, 821	4, 369, 489
Clothing:3			9			
Totals	7	244	607, 927	12, 202	760, 546	1, 767, 158
Wood products:						
Furniture	24	108	384, 796	13, 237	1,065,953	1,671,809
Sash, door and planing mills	11	73	263,899	18,640	372, 954	747, 309
All other industries ⁴	3	29	93,864	7,090	170, 186	358, 734
Totals	38	210	742, 559	38, 967	1, 609, 093	2, 777, 852
Printing, publishing and allied industries:						
Printing and bookbinding	28	264	1,001,781	29, 269	864,896	2, 407, 154
Publishing (only) of periodicals	10	21	3,636	_	24, 773	39,607
All other industries ⁵	7	433	2, 229, 181	44, 124	1,413,785	5,527,565
Totals	45	718	3, 234, 598	73, 393	2, 303, 454	7, 974, 326
Iron and steel products:						
Castings, iron	6	658	2,681,104	243, 003	2,504,313	6, 487, 698
Hardware, tools and cutlery	36	864	4, 099, 443	135, 207	2,660,520	9, 698, 509
Machine shops	4	58	248, 457	14, 576	143,038	540,999
Machinery, industrial	7	487	2,061,258	61, 477	1,819,874	5, 813, 207
All other industries ⁶	27	2, 231	10,616,908	644, 014	16, 885, 148	35, 324, 138
Totals	80	4, 298	19, 707, 170	1, 098, 277	24, 012, 893	57, 864, 551
Transportation equipment:						
Totals	32	14, 102	75, 537, 888	3, 364, 458	156, 616, 464	266, 951, 357
Non-ferrous metal products:						
Brass and copper products	4	61	249, 406	7, 998	536,666	1, 447, 666
All other industries ⁸	6	45	145, 891	5, 138	189,530	442, 884
Totals	10	106	395, 297	13, 136	726, 196	1, 890, 550
Electrical apparatus and supplies:9						
Totals	5	79	334, 391	15, 770	467, 412	1, 085, 597
Non-metallic mineral products:						
Concrete products	4	152	651, 367	125,997	630,730	1,765,872
All other industries10	8	661	3, 252, 094	603,047	4,697,588	16,822,090
Totals	12	813	3, 903, 461	729, 044	5, 328, 318	18, 587, 962

WINDSOR METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	nber		dol	lars	
Chemicals and allied products:						
Medicinal and pharmaceutical preparations	7	346	1,613,859	53,414	2, 344, 867	9, 349, 792
Miscellaneous chemical products	4	28	113, 513	5,028	327, 159	621, 389
Paints, varnishes and lacquers	6	187	821,624	51,398	2,635,194	5, 950, 778
Soaps, washing compounds and cleaning preparations	4	19	61, 840	4,006	121, 236	228, 276
Toilet preparations	3	12	20,707	1,066	18,640	65, 504
Totals	24	592	2, 631, 543	114, 912	5, 447, 096	16, 215, 739
Miscellaneous manufacturing industries: Models and patterns (excluding paper)	6	187	1, 065, 239	24, 198	363, 147	2, 364, 687
Signs, electric, neon and other	. 7	35	156, 848	10. 546	68,048	321.742
Sporting goods	. 6	53	229, 360	4. 067	142, 477	388, 378
All other industries ¹¹	14	206	707, 940	60,774	1, 222, 051	3, 281, 121
Totals	33	481	2, 159, 387	99, 585	1, 795, 723	6, 355, 928
All other major groups:12						
Totals	4	80	304, 410	7, 212	384, 507	940, 475
Grand totals, Metropolitan Windsor	356	24, 952	122, 527, 608	6, 643, 486	235, 487, 487	472, 319, 599

¹ Includes: Breakfast foods, 1; breweries, 1; butter and cheese, 3; distilled liquors, 1; milk pasteurizing, 2; slaughtering and meat packing, 3; stock and poultry feeds, prepared, 2.

² Includes: Automobile accessories, fabric, 1; awnings, tents and salls, 3; bags, cotton and jute, 1; narrow fabrics, 1; miscellaneous textiles, 2.

³ Includes: Bottohing, children's factory, 1; clothing, men's factory, 1; fur goods, 4; gloves and mittens, fabric, 1.

⁴ Includes: Boxes and baskets, wood, 1; miscellaneous wood products, 1; wood turning, 1.

⁵ Includes: Boxes and baskets, wood, 1; miscellaneous wood products, 1; wood turning, 1.

⁵ Includes: Boilers, tanks and platework, 1; fabricated and structural steel, 1; heating and cooking appliances, 2; machinery, household, office and store, 2; miscellaneous iron and steel products, 9; machine tools, 2; primary iron and steel, 1; sheet metal products, 8; wire and wire goods, 1; 7 Includes: Boatbuilding, 1; motor vehicles, 3; motor vehicle parts, 2g;

⁵ Includes: Aluminum products, 1; jewellery and silverware, 3; white metal alloys, 2; flocudes: Aluminum products, 1; silvellaneous electrical apparatus and supplies, 2; telecommunication equipment, 1.

¹¹ Includes: Bustons, buckles and fasteners, 1; ice, artificial, 2; instruments and related products, 2; orthopædic and surgical appliances, 1; pipes, lighters and smokers' supplies, 1; plastic products, 5; stamps and stencils, rubber and metal, 1; toys and games, 1.

¹¹ Includes: Miscellaneous leather products, 1; rubber products, 1; boxes and bags, paper, 1; miscellaneous paper goods, 1.

The Following Municipalities are Included in Greater Windsor

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	nber		doll	ars	 I
Windsor (city proper)	292	23, 355	115, 427, 371	6, 212, 951	221, 872, 387	442, 513, 286
Riverside	8	151	586,740	51, 645	1,527,907	2,421,381
All others'	56	1, 446	6,513,497	378, 890	12,087,193	27, 384, 932
Totals	356	24, 952	122, 527, 608	6, 643, 486	235, 487, 487	472, 319, 599

¹ Includes: LaSalle, Ojibway, St. Clair Beach, Tecumseh, Sandwich East Township, Sandwich West Township, Sandwich South Township.

WINNIPEG METROPOLITAN AREAS

WINNIPEG METROPOLITAN AREAS								
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments		
	number dollars				ars			
Floods and Danses								
Foods and Beverages:								
Bread and other bakery products Breweries	65	1,271	4,572,221	383,786	5,560,650	12,895,572		
Butter and cheese	6	591	2,831,578	208,906	2,851,893	13,941,982		
Confectionery	9	764	2,792,021	255,787	10,783,686	15,298,138		
Feeds, stock and poultry, prepared	15	365 186	790,623	33,833	1,790,315	3,414,139		
Flour mills	3	445	675,197	111,568	6,675,226	9,065,804		
Fruit and vegetable preparations	6	84	1,488,667	203,499	15,303,918	19, 728, 463		
Milk pasteurizing	4	164	620, 193	16,832 67,997	667,842	1,104,973		
Miscellaneous food preparations	15	458	1,278,757	66, 961	2,318,285 6,289,948	3,709,683 9,997,335		
Sausage and sausage casings	7	182	670,145	40,076	3,274,954	4,123,217		
Slaughtering and meat packing	11	3,058	13,451,390	694,967	103,937,320	136, 138, 549		
Carbonated beverages	10	264	966,775	133,673	1,942,119	5,784,308		
All other industries ¹²	19	780	2,935,237	497,275	12,546,554	24,158,001		
m-4-1								
Totals	183	8, 612	33, 309, 087	2, 715, 160	173, 942, 710	259, 360, 164		
Leather products:								
Gloves and mittens leather	. 7	240	568,369	6,162	895, 916	1,735,405		
Miscellaneous leather goods ³	10	379	999,293	36,664	2,634,192	4,203,259		
Totals	17	619	1, 567, 662	42, 826	3, 530, 108	5, 938, 664		
Textiles:								
Awnings, tents and sails	6	0.4	200 400					
Miscellaneous textiles	10	90	223,402	6,010	565,453	916,417		
All other industries ⁴	12	326	221,362 975,986	11, 281 29, 171	647,287 5,192,373	1,067,593		
		020	310, 300	20,111	0,192,313	7, 256, 072		
Totals	28	500	1,420,750	46, 462	6, 405, 113	9, 240, 082		
Clothing and knitting mills:								
Clothing, children's factory	6	293	692,144	10,813	1,046,281	2,408,611		
Clothing, men's factory	47	2,643	6,085,451	84,863	12,815,425	22,703,051		
Clothing, women's factory	25	1,541	4,198,632	43,942	8,368,814	14,590,152		
Fur goods	40	444	1,428,915	25,248	2,619,557	4,659,597		
Hats and caps	11	345	748, 538	8,726	826,866	2,105,663		
All other industries ⁵	9	347	923, 202	25,447	979, 239	2,251,273		
Totals	138	5, 613	14, 076, 882	199,039	26, 656, 182	48, 718, 347		
Wood products:								
Boxes and baskets, wood	3	98	285,761	13,904	455, 117	812,100		
Furniture	104	1,950	6,438,744	212,124	12,534,963	22,683,114		
Miscellaneous wood products	8	86	258, 721	26,025	543,860	1,037,627		
Sash, door and planing mills	15 5	130	1,380,653 375,057	54,298 15,764	1,956,905	3,644,209 1,486,445		
	3	130	310,001	10, 104	030,400	1, 400, 440		
Totals	135	2,691	8, 738, 936	322, 115	16, 189, 325	29, 663, 495		

WINNIPEG METROPOLITAN AREAS - Continued

TAIAIT	reu mein	JE OLITAN	AREAS - Continu	ucu		
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber	dollars			
Paper products:						
Boxes and bags, paper	10	646	2,141,745	124,760	7,454,030	11,702,617
Miscellaneous paper goods	6	199	593,447	19,647	2,695,997	6,095,366
All other industries ⁷	5	274	1,096,107	234,867	2,242,863	4,831,046
	0.4	1 110	0.001.000	379, 274	12,392,890	22, 629, 029
Totals	21	1, 119	3,831,299	313, 214	12,332,050	&&, G&O, G&O
Printing, publishing and allied industries:						
Engraving, stereotyping and electrotyping	7	177	830,817	12,462	217, 161	1,330,483
Printing and bookbinding	81	1,347	5,292,117	110,542	4,566,545	13,646,844
Printing and publishing	26	1,596	6,010,595	126,985	5,415,566	18,293,539
Publishing (only) of periodicals	85	157	402,255	_	978,037	1,819,648
All other industries ⁸	5	142	689,067	9,564	521,974	1,385,911
Totals	204	3,419	13, 224, 851	259, 553	11, 699, 283	36, 476, 425
Iron and steel products:						
Agricultural implements	12	446	1,656,414	91,854	4,310,551	7,445,355
Hardware, tools and cutlery	5	57	169,504	7,843	147,985	418,953
Machine shops	30	315	1,312,582	47,815	1,109,293	3,100,915
Machinery, industrial	10	436	1,733,017	66,487	2,377,560	5,076,140
Miscellaneous iron and steel products	14	739	3,053,024	118,210	4,723,005	11,144,203
Sheet metal products	31	1,114	4, 139, 215	132,555	7,279,078	14,715,942
Wire and wire goods	3	22	62,802	5,604	65,118	168,277
All other industries9	18	1,905	8,443,561	332,507	12,649,286	26,632,478
Totals	123	5,034	20, 570, 119	802, 875	32,661,876	68, 702, 263
Transportation equipment:						
Motor vehicle parts	10	367	1,183,585	49,846	1,561,203	3,766,881
All other industries ¹⁰	16	5,440	21,678,743	686,122	23,091,502	49, 233, 457
Totals	26	5,807	22, 862, 328	735, 968	24,652,705	53,000,338
Non-ferrous metal products:						
Brass and copper products	4	158	575,470	55,050	1,576,512	3,001,274
Jewellery and silverware	4	31	87,058	1,545	157,621	343,110
White metal alloys ¹¹	5	81	277,801	47,584	1,489,072	2,128,477
Totals	13	270	940, 329	104,179	3,223,205	5,472,861
Plantrian apparatus and supplies						
Electrical apparatus and supplies: Miscellaneous electrical apparatus and supplies	8	274	915,523	57,487	2,773,167	4, 895, 163
All other industries ¹²	11	571	2,110,001	88,289	4,483,382	8,824,76
Totals	19	845	3,025,524	145, 776	7, 256, 549	13, 719, 92
Non-metallic mineral products and products of pe-						
troleum and coal:						
Lime	3	11	30,912	15,399	23,128	309,80
Miscellaneous non-metallic mineral products	3	29	122, 924	14,169	147,621	387,82
Stone products	5	52	171,680	9, 993	217,772	520,49
All other industries ¹³	23	1,705	7,125,870	3,303,286	23,014,374	44,614,28
Totals	34	1,797	7, 451, 386	3, 342, 847	23, 402, 895	45, 832, 40

WINNIPEG METROPOLITAN AREAS - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	iber		dol	lars	
Chamicals and allied made to						
Chemicals and allied products:	_					
Gases, compressed	3	74	307,503	23,577	287, 137	1,599,473
Medicinal and pharmaceutical preparations	5	102	313,727	18,685	511,627	1,586,198
Miscellaneous chemical products	6	90	141,382	18,771	1,130,595	1,833,384
Paints, varnishes and lacquers	5	295	997, 174	45,753	4,004,923	6,898,130
Soaps, washing compounds and cleaning preparations	6	36	115,360	10,135	577, 245	1,314,221
All other industries ¹⁴	8	57	424,783	20,739	1,023,067	1,919,579
Totals	33	654	2, 299, 929	137, 660	7,534,594	15, 150, 985
Miscellaneous manufacturing industries:						
Brooms, brushes and mops	6	124	385,414	11,063	561.315	1.089.668
Orthopaedic and surgical appliances	5	18	39.975	2,865	40,766	99, 796
Signs, electric, neon and other	10	245	927, 870	46,917	603,832	2,183,071
Stamps and stencils, rubber and metal	5	18	70,925	423	10,315	107,590
Statuary, art goods and regalia	8	75	164,002	5.778	181.986	391,242
All other industries ¹⁵	25	348	1,143,437	66,200	3,332,148	6,150,720
Totals	59	828	2, 731, 623	133,246	4,730,362	10,022,087
Grand totals, Metropolitan Winnipeg	1,035	37, 808	136, 050, 705	9, 366, 980	354,277,797	623, 927, 070

- ¹ Includes: Major group rubber goods, 2.
 ² Includes: Animal oils and fats, 2; biscuits, 4; breakfast foods, 5; feed mills, 2; macaroni and kindred products, 2; malt and malt products, 2;

Includes: Animal oils and fats, 2; biscuits, 4; breakfast foods, 5; feed mills, 2; macaroni and kindred products, 2; malt and malt products, 2; sugar refining, 1.

Includes: Leather footwear, 4; leather tanneries, 2; miscellaneous leather products, 4.

Includes: Automobile accessories, fabric, 3; carpets, mats and rugs, 2; cotton and jute bags, 3; embroideries, pleating, hemstitchings, 4.

Includes: Automobile accessories, fabric, 3; carpets, mats and rugs, 2; cotton and jute bags, 3; embroideries, pleating, hemstitchings, 4.

Includes: Excelsior, 1; morticians supplies, 2; veneers and plywood, 1; woodenware, 1.

Includes: Pulp and paper mills, 2; roofing paper, 3.

Includes: Pulp and paper mills, 2; roofing paper, 3.

Includes: Boilers, tanks and platework, 1; castings, iron, 7; fabricated and structural steel, 3; heating and cooking apparatus, 4; machinery, household, office and store, 2; primary iron and steel, 1.

Includes: Aitcraft and parts, 3; boatbuilding, 7; motor vehicles, 2; railway rolling stock, 4.

Includes: Batteries, 2; machinery, heavy electrical, 3; refrigerators, vacuum cleaners and appliances, 5; telecommunication equipment, 1.

Includes: Brick and tile, 1; cement, hydraulic, 1; concrete products, 10; glass and glass products, 5; gypsum products, 2; miscellaneous products and tile, 1; cement, hydraulic, 1; concrete products, 10; glass and glass products, 5; gypsum products, 2; miscellaneous products, 2; inks, 4; toilet preparations, 1; vegetable oils, 1.

Includes: Adhesives, 2; inks, 4; toilet preparations, 1; vegetable oils, 1.

Includes: Adhesives, 2; inks, 4; toilet preparations, 1; vegetable oils, 1.

Includes: Adhesives, 2; inks, 4; toilet preparations, 1; vegetable oils, 1.

Includes: Adhesives, 2; inks, 4; toilet preparations, 1; vegetable oils, 1.

The Following Municipalities are Included in Greater Winnipeg

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	iber		doll	ars	
Winnipeg (City proper)	794	25,864	88,968,328	3,840,792	173,177,732	343,540,671
St. Boniface	95	5, 293	21,343,758	2,712,334	133, 270, 513	179,562,931
St. James	59	2,777	10,460,838	383,289	16, 176, 315	37,013,121
Kildonaa East Municipality	22	510	1,722,518	170,617	4,191,606	8,055,498
All others¹	65	3,364	13,555,263	2,259,948	27,461,631	55,754,849
Totals	1,035	37, 808	136, 050, 705	9, 366, 980	354, 277, 797	623, 927, 070

¹ Includes: Brooklands; Transcona; Tuxedo; Charleswood Municipality; Fort Garry Municipality; Kildonan North Municipality; Kildonan West Municipality; Old Kildonan Municipality; St. Vital Municipality.

VANCOUVER METROPOLITAN AREAS

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			ars		
roods and beverages:	1		1		1	
Bread and other bakery products	156	2,101	7, 775, 497	484, 267	8, 659, 005	21,074,65
Breweries	3	413	1,975,692	187, 020	3, 361, 926	15, 789, 29
Butter and cheese	8	1, 366	5, 695, 721	442,776	15, 732, 259	24, 861, 34
Carbonated beverages	8	222	853, 835	121, 881	1,409,823	5,084,24
Confectionery	22	265	799, 321	46,648	1,762,849	3, 213, 26
Dairy products, other	4	108	480, 617	65, 650	1,394,005	2,711,72
Feeds, stock and poultry, prepared	12	419	1,730,058	208,652	11, 243, 617	15, 212, 24
Fish processing	23	1,695	6, 173, 063	490, 245	27, 844, 694	47, 313, 9
Fruit and vegetable preparations	17	756	2, 190, 546	163,043	10, 698, 278	14, 825, 5'
Milk pasteurizing	4	56	246, 905	43,795	2,394,281	3, 173, 54
Miscellaneous food preparations	39	821	3, 024, 410	203,888	30, 578, 922	40, 558, 5
Sausage and sausage casings	11	196	800,684	58, 087	2,554,267	4,245,39
Slaughtering and meat packing	9	1,375	6,364,600	305,368	46,226,349	56,749,64
All other industries ¹	14	979	4, 281, 470	569,640	16,592,712	33, 312, 43
Totals	330	10,772	42, 392, 419	3,390,960	180, 452, 987	288, 125, 81
Leather products:	6	154	447,383	12, 114	820, 771	1,399,39
Footwear, leather	4	65	192, 156	2,059	188, 345	422,3
Gloves and mittens, leather	7	154	401, 915	17,619	634, 013	1,431,2
All other industries ²	17	373	1,041,454	31,792	1, 643, 129	3, 252, 9
1 Otalis			-,,			
Textiles:		004	004 504	10 094	1,114,392	2,154,8
Awnings, tents and sails	8	221	634, 594	18,634	569, 855	1, 149, 5
Miscellaneous textiles	7	110	348, 831	10, 984	3, 503, 611	6, 277, 9
All other industries ³	19	446	1,506,969	86,069	5, 187, 858	9,582,3
Totals	34	777	2,490,394	115,687	3,161,636	5,00%,0
Clothing and knitting mills:						
Clothing, men's factory	18	721	1, 930, 869	38, 173	3, 028, 079	5,594,8
Clothing, women's factory	19	617	1,711,647	29, 225	2,815,595	5,433,8
Fur goods	15	1	183, 280	7,345	171, 518	452,0
All other industries4	7	339	861,895	16, 783	1, 203, 969	2, 800, 3
Totals	59	1,736	4,687,691	91, 526	7, 219, 161	14,281,0
Wood products:						
Boxes and baskets, wood	10	79	190, 823	8,010	245,729	523, 5
Furniture	162	1,954	7, 464, 001	217,368	11,771,289	23, 649, 7
Miscellaneous wood products	23	488	2,031,890	140, 793	6, 790, 269	10, 920, 7
Mortician's goods	4	80	257, 805	5, 498	387,765	798, 5
Sash, door and planing mills	60		5,591,282	284, 346	11,752,005	20, 941, 8
Sawmills	72	8,388	35, 841, 718	1,505,630		122, 973, 9
Veneers and plywoods	11		17, 687, 086	846, 896	29, 038, 772	56, 366, 6
All other industries ⁵	7		646, 150	24, 571	1,060,520	1,863,
Totals	349	16,908	69, 710, 755	3,033,112	127, 519, 007	238, 038,
Paper products:					10 000 500	00.500
Boxes and bags, paper	14		5, 248, 564	215, 326		28, 593,
Miscellaneous paper goods	8		639, 803	22, 591		2,603,
All other industries ⁶	1	1,297	7, 286, 381	825, 808	8,827,717	24, 284,
Totals	28	8 2,771	13, 174, 748	1,063,725	27, 012, 027	55, 482,

VANCOUVER METROPOLITAN AREAS - Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	ber		doll	dollars	
Printing, publishing and allied industries:			1			
Engraving, stereotyping and electrotyping	9	139	721, 973	13,630	197, 461	1, 204, 418
Lithographing	11	289	1,339,130	30, 144	1, 583, 005	3, 445, 184
Printing and bookbinding	106	1, 092	4,609,418	108, 989	3, 279, 938	10, 254, 545
Printing and publishing	18	1, 889	10, 393, 122	137, 387	5, 728, 823	23, 812, 474
Publishing (only) of periodicals	97	230	579, 909		1,676,759	4, 262, 379
Trade composition	4	25	132,324	2,970	4,754	189, 947
Totals	245	3,664	17, 775, 876	293, 120	12, 470, 740	43, 168, 94
Iron and steel products:						
Boilers, tanks and platework	14	409	2,051,111	88, 068	3,870,150	6, 973, 726
Castings, iron	11	524	2, 585, 494	126, 967	4, 976, 584	9, 283, 926
Hardware, tools and cutlery	21	625	2,462,001	119,724	3, 170, 917	8,047,426
Heating and cooking apparatus	14	290	1, 109, 639	58, 137	2,054,586	3, 991, 902
Machine shops	51	544	2, 537, 318	87,714	1,796,665	5, 621, 324
Machinery, industrial	41	1,180	5, 290, 903	203, 480	6, 594, 617	14, 698, 790
Miscellaneous iron and steel products'	41	448	1,883,670	128,774	2, 461, 078	5,464,011
Primary iron and steel	5	420	2, 157, 543	426, 014	2,813,977	6, 255, 083
Sheet metal products	33	1,069	5, 108, 059	185, 475	14, 424, 358	25, 593, 445
Wire and wire goods	16	463	1,969,396	98, 799	4,800,964	8, 453, 646
All other industries ⁷	8	1,339	6, 682, 322	177, 925	9,717,066	18,773,696
Totals	255	7,311	33, 837, 456	1,701,077	56, 680, 962	113, 156, 975
Transportation equipment:						
Boat building	46	298	1, 100, 583	36,013	1,038,097	2,509,938
Motor vehicle parts	16	286	1, 283, 300	54, 319	2,480,227	4,383,981
Shipbuilding	12	2,014	10, 181, 684	255, 727	3, 159, 123	21, 345, 778
All other industries ⁸	8	737	3, 282, 629	110, 246	3, 882, 462	11,079,763
Totals	82	3,335	15, 848, 196	456, 305	10, 559, 909	39, 319, 460
Non-ferrous metal products:						
Aluminum products	11	169	757, 862	110, 524	3, 114, 756	3,977,023
Brass and copper products	14	375	1, 825, 065	174, 109	4, 496, 813	5,357,269
Jewellery and silverware	13	124	457, 174	4,082	309, 226	942, 226
All other industries'	5	95	463,778	40, 187	968, 092	2, 231, 810
Totals	43	763	3,503,879	328, 902	8,888,887	12,508,328
Electrical apparatus and supplies:						
Batteries	3	54	205,248	19, 981	492, 199	892,812
Miscellaneous electrical apparatus and supplies	12	404	1,805,775	68, 151	4,546,055	7,692,402
Telecommunication equipment	9	162	691,581	33, 208	777, 545	1,860,630
All other industries ¹⁰	8	329	1,548,029	65, 045	3,057,422	6,630,526
Totals	32	949	4, 250, 633	186, 385	8,873,221	17,076,370
Non-metallic mineral products:						
Concrete products	23	683	3, 009, 966	344, 888	5, 590, 247	10, 135, 707
Glass and glass products	5	31	98, 548	5,717	270, 570	459, 082
Stone products	5	93	404,860	34, 010	491,604	1, 366, 087
All other industries ¹¹	16	470	2, 198, 689	764, 879	2, 439, 624	8, 717, 080
Totals	49	1,277	5, 712, 063	1,149,494	8, 792, 045	20, 677, 956

VANCOUVER METROPOLITAN AREAS - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber	dollars			
Chemicals and allied products:		1				
Gases, compressed	4	82	379, 064	33, 149	337,641	1, 634, 728
Medicinal and pharmaceutical preparations	8	45	145, 495	3,434	167, 132	370, 516
Miscellaneous chemical products	. 22	214	767,946	66, 128	901, 157	2, 192, 371
Paints, varnishes and lacquers	14	310	1,405,357	57,170	3, 661, 542	6, 951, 451
Primary plastics	3	99	491, 299	39, 673	3, 492, 493	5, 582, 683
Soaps, washing compounds and cleaning preparations	12	67	210, 151	14, 953	622,761	1, 250, 377
All other industries ¹²	19	282	1, 234, 297	1,048,066	2, 448, 160	8, 440, 374
Totals	82	1,099	4, 633, 609	1,262,573	11,630,886	26, 422, 500
Miscellaneous manufacturing industries:						
Brooms, brushes and mops	6	60	200, 288	5,507	221,714	562, 101
Ice, artificial	4	25	83, 278	19, 447	12,504	147, 930
Lamps, electric and lamp shades	. 3	66	205, 083	7,042	382,426	746, 884
Models and patterns (excluding paper)	6	26	122,985	1,811	24, 261	197, 101
Orthopaedic and surgical appliances	6	17	63, 222	2, 284	34, 929	85, 443
Plastic products	13	122	363,782	26, 625	1, 143, 289	1,862,797
Signs, electric, neon and other	34	515	2, 428, 478	99, 680	2,216,516	6, 158, 174
Sporting goods	8	59	160, 495	8, 978	200,566	530, 200
Stamps and stencils, rubber and metal	8	61	232,468	7,419	80, 524	409,805
Statuary, art goods and regalia	6	12	19,673	1,062	19, 192	43,726
Umbrellas	3	18	57,370		101, 207	209,680
All other industries ¹³	8	36	123, 588	4, 951	147, 977	386, 725
Totals	105	1,017	4, 060, 710	187,657	4,585,105	11,340,566
All other major groups:14						
Totals	9	952	5, 345, 895	2,828,975	43,889,858	58, 490, 332
Grand totals, Metropoliton Vancouver	1,719	53,704	228, 465, 778	16, 121, 290	515, 405, 782	950, 924, 014

1 Includes: Animal oils and fats, 1; biscuits, 2; distilled liquors, 3; flour mills, 1; foods, breakfast, 2; macaroni and kindred products, 3; sugar

¹ Includes: Animal oils and fats, 1; biscuits, 2; distilled liquors, 3; flour mills, 1; foods, breakfast, 2; macaroni and kindred products, 3; sugar refining, 1; wines, 1.

¹ Includes: Leather tanning, 2; miscellaneous leather goods, 5.

¹ Includes: Automobile fabric, 2; bags, cotton and jute, 2; cordage, rope and twine, 3; cotton yarn and cloth, 1; dyeing and finishing of textiles, 1; embroideries, pleating, hemstitching, etc., 2; linoleum and coated fabrics, 1; miscellaneous cotton goods, 2; miscellaneous woollen goods, 2; woollen cloth, 3;

⁴ Includes: Fur dressing and dyeing, 1; hats and caps, 1; miscellaneous clothing, 2; other knitted goods, 3.

¹ Includes: Beekeeper's and poultrymen's supplies, 1; cooperage, 1; flooring, hardwood, 1; woodenware, 2; woodturning, 2.

¹ Includes: Pulp and paper mills, 3; roofing paper, 2.

¹ Includes: Aircraft and parts, 5; motor vehicles, 2; railway rolling stock, 1.

⁰ Includes: Miscellaneous non-ferrous metal products, 1; white metal alloys, 4.

¹ Includes: Machinery, heavy electrical, 5; refrigerators, vacuum cleaners and appliances, 3.

¹¹ Includes: Asbestos products, 2; cement hydraulic, 1; clay products from domestic clay, 4; clay products from imported clay, 3; gypsum products, 1; white metal alloys is the supplication of the supplies of the su

ducts, 4.

1 Includes: Acids, alkalies and salts, 3; adhesives, 4; fertilizers, 2; inks, 6; polishes and dressings, 3; toilet preparations, 1.

1 Includes: Candles, 1; fountain pens and pencils, 1; hair goods, 2; instruments and related products, 1; musical instruments, 1; toys and games, 1; typewriter supplies, 1.

14 Includes: Rubber goods, 5; petroleum products, 3; miscellaneous products of petroleum and coal, 1.

The Following Municipalities are Included in Greater Vancouver

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		doll	ars		
Vancouver (city proper) New Westminster North Vancouver Port Coquitlam Port Moody Burnaby District Municipality Richmond District Municipality Surrey District Municipality All others¹ Totals	97 70 7 8 135 86	32, 911 5, 646 2, 566 83 724 4, 212 3, 718 1, 388 2, 456 53, 704	139,700,859 23,431,099 12,148,170 354,852 3,277,058 19,184,057 14,837,846 5,324,617 10,207,220 228,465,778		488,037 20,680,288 71,875,190 47,388,057 13,577,868 20,162,815	106, 812, 426 38, 220, 826 951, 437 28, 569, 355

¹ Includes: Coquitlam District Municipality; Delta District Municipality; Fraser Mills District Municipality; North Vancouver District Municipality; pality; University Endowment Area; West Vancouver District Municipality, Unorganized and Indian Reserves.

APPENDIX II

Alphabetical List of the Products Reported as having been Manufactured in Canada in 1959

The appended list of the products of Canadian manufacturing industries presents the value and in most cases the quantity of the individual products in a much more detailed form. Prior to 1927, in presenting statistics of manufacturing production, the whole production of an establishment was taken as a unit. This not only prevented the presentation of production figures for specific products in detail, but also involved numerous inaccuracies in the production statistics of classes of commodities, owing to the fact that commodities which may be the major line of production in one establishment may also be products of secondary importance in another establishment where the major line of production puts the establishment into a different class. The statistics which follow, however, have been compiled by taking from the individual returns of each of the 36,193 manufacturing establishments covered, the value and, when given, the quantity of each commodity specified as produced by the establishment. In this way, detailed production figures are obtained for specific commodities and, furthermore, the total production of each commodity is brought together, no matter how varied may be the operations in different establishments producing it. Nevertheless it should be pointed out to those making use of these figures that there is one element of incompleteness about them. In the returns of many manufacturers, products of minor importance are grouped under the name "all other products". As will be seen from the group at the end of the list, the value of products not specified, while they may appear unimportant to the individual manufacturer, are, in the aggregate, a large amount, especially in the industries of two of the larger groups. It is obvious that one manufacturer may consider a product of insufficient importance to report separately for his establishment, while that same product may be reported separately by other establishments. In other words, included in the value of other products not specified at the end of the list, there are doubtless values which, had the products been specified by the manufacturer, would have been included in values of commodities appearing on the list. However, the products not specified total only about 2.3 per cent in value of the whole manufacturing production, although in the Iron and steel group this proportion is 5.3 per cent, in Transportation equipment 8.3 per cent and in Chemicals and allied industries, 6.0 per cent. With the exception of these groups, therefore, the incompleteness of the figures on this account is insignificant.

There is no duplication in the listing of products, nor do any of the items, include products listed in more detail under another name. It is possible, however, that essentially the same commodity produced in different establishments may have been called by different names; in such a case, which is probably a very rare one, the items would appear separately in the following list.

It should be noted that a shipments' concept instead of the value of production concept was adopted in 1952. Items still collected on a production basis are marked with an asterisk.

Alphabetical List of Commodities, 1959

Note: In 1952 and subsequent years the basis of collection, is "Value of factory shipments" instead of "Gross value of products". However, the commodities marked * are still on a production basis.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
prasive cloth	-	-	1 1
		_	7, 550, 473
prasive paper craise wheels and segments	-		i
prasives, not specified (See also Aldmina lused and Silven Calebate)	-	-	1
psorbent cotton	_	_	1
etaldenyde	_	_	1
etic anhydride			7 660 562
	cu. ft.	267, 923, 535	7,660,562
eid, acetic, glacial, 99%	_	ppm	1
id, acetic, glacial, 997% id, adipic id, citric id, fatty, cocoanut, tallow, (including "Stearic")	-		0 001 550
id, fatty, cocoanut, tallow, (including "Stearic")	1b.	18, 447, 047	2, 801, 552 1, 010, 833
id, fatty, cocoanut, tallow, (including "Stearic") id, hydrochloric (Muriatic) id, hydrofluosilicic	_	_	1
cid, hydrofluosilicic	-		1
	-	_	1
cid, phosphoric	-	_	
cid, sulphuric:	ton	1,738,984	
	4.6	1, 560, 046	24, 802, 38 1, 370, 20
Quantity shipped	-		7, 688, 73
cids, not specified dhesives, n.e.s. dvertising displays (see "Displays")	_		,,,,,,,,,
dvertising displays (see "Displays") dvertising matter, printed, n.e.s.	-	- 1	56, 998, 72
	No.	23	141, 26 22, 773, 92
gitators, mining and metallurgical gricultural implements and parts, n.e.s.	_	_	7, 313, 30
ir conditioning equipment, n.e.s.			
ircraft and parts: Aircraft completed during the year*	-		114, 574, 06 65, 166, 96
	_	= 1	82, 979, 54
Aircraft repairs (value of work done)	_		76, 117, 23
		-	70, 948, 25
	_		77,698,38
	pf. gal.	5,773,359	2, 153, 79
lcohol, industrial, (produced)	22. 8		1
		4, 820, 800	2, 262, 31
	pf. gal.	4, 620, 600	1
lcohol, isopropyl		-	1
	-	-	1
lcohol, normal prophyl		_	1
lloys, cutting	lb.	12, 731, 006	1, 935, 05
lloy, die casting	_	-	15 414 0
llmond paste	ton	152, 319	15, 414, 2
Jumina, fused (crude)		_	1
	1b.	41, 857, 477	21,871,6
	-	_	i
		_	14, 728, 9
Aluminum products, n.e.s.	_	- 1	1
		1 010 000	112 0
	1b.	1,016,322	113,0
Ammonium chloride			1
Ammonium hitrate, leithizer grade (included in "Fertilizers, other than mixed")			
Ammonium sulphate, other than milled, screened and bagged (included in Fertilizers,			
other than mixed") Ammonium sulphate, milled, screened and bagged	ton	296	19, 5
Ammonium sulphate, milieu, screened and bagge			15, 113, 0
			1 110, 0
Antibiotics, including penicinin and subpromytali Anti-freeze preparations, all types Apple butter		-	1
	1		1
4 1 - Lui - a - a - a - a - a - a - a - a - a -	lb.	1,645,300	28,5
Apple pomace, chop and waste Apples, evaporated and dehydrated	10.	1,040,000	1
Apples, evaporated and denydrated Apricot concentrate	-		1
Children's	doz.	33, 499	122, 2
Monte and wouther	uoz,	223, 252	1,366,0
Women's and misses'	_	-	207, 8
A prope plastic	doz.	25, 398	81, 7 105, 9
	"	3,717	209, 8
Aprons, rubber, rubberbet and Order Archery tackle. Armlets and sleeve supporters Artists' brushes (included in "Brushes, other not specified")	doz. pr.	4, 751	12,0
Armlets and sleeve supporters		-,	421,6
Astists' brushes (included in "Rrushes, other not specified")			

Indicates that the commodity was reported by one or two concerns.
 Does not include value of equipment and parts supplied as free issue by the government.

Alphabetical List of Commodities, 1959 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Art work (printing) (included in "Trade work")			\$
Asbestos products, including clutch facings			2, 944, 715
Asphalt*	091	9, 104, 053 18, 920, 800	29, 705, 108 3, 595, 525
Asphalt products, n.e.s. Atomizers			4, 572, 36
Automobiles, commercial:	-	-	•
6,000 lbs. or less: For sale in Canada		29, 823	49, 200, 617
F'or export		2, 057	2, 254, 029
6,001 to 10,000 lbs: For sale in Canada		9,744	17,884,028
For export	46	459	431, 435
For sale in Canada		2, 101	4, 105, 473
For export		1	1,672
For sale in Canada		1,691	4, 181, 613
For export		256	223,830
For sale in Canada	6.6	4, 207	12, 263, 463
For export		1, 148	918, 186
For sale in Canada		12, 103	43, 487, 034
For export	*********	85	145, 272
For sale in Canada		1, 767	11,643,757
For export Over 33,000 lbs.:	********	6	144, 700
For sale in Canada		1, 526	16,598,165
For exportutomobiles, passenger:			-
Convertible cars: Soft top:			
For sale in Canada		5,031	12, 174, 788
For export		57	115,829
For sale in Canada		51,622	120, 459, 484
For export	*********	1, 596	2,708,203
2 door sedan or coupe:	44	45.000	04 054 084
For sale in Canada For export	**********	45, 233 59	84, 051, 671 97, 350
4 door sedan:			
For sale in Canada For export	*********	158, 519 9, 132	321,648,394 12,894,652
Station wagon type: For sale in Canada		25, 435	56, 664, 059
For export		259	503, 212
Chassis (sold without bodies): For export	64	3,673	2, 032, 391
Buses or coaches:			
For sale in Canada	********	288 179	7, 022, 866 462, 732
utomobile, bus and truck bodies and cabs		-	18, 915, 072
utomobile bumpers and bumperettes	_	_	11, 461, 878
utomobile parts and accessories, not specified		-	158, 376, 247
wnings, aluminumwnings, fabric		_	3, 064, 485 2, 043, 782
wnings, other, including fibre glass, steel, etc.		309, 922	154,885
xes and hatchetsxles and shafts, automobile		509, 822	704, 934 6, 476, 692 633, 100
ables' high chair sets, commodes and other baby supplies		1, 231, 590	633, 100 702, 124
abbitt metaladges (included under "Regalia")	40.	1, 201, 000	102, 121
ags: Cosmetic (plastic, etc.)		ante	1
Cotton		35, 877, 345	7,527,620
Jute		92, 782, 220	15, 547, 498
Garment, laundry, etc. (plastic)		821, 736	273, 301
Hand, leather Hand, plastic	No.	2,696,609	4,675,834 3,588,065
Hand, other			215,989
Hand, parts Shopping, sports, etc., leather	No.	75, 243	19, 882 272, 231
Shopping, sports, etc., fabric Sleeping (see also ''Infants' wear'')	No.	218, 922	905, 843 2, 140, 549
Club bags, suit cases and other hand luggage		-	7,315,617
School bags	No.	680, 305	1,301,779 693,322
Fabric bags, not specified Fabric bags, repaired		-	575, 680
ags, paper:		7,818,446	2, 904, 954
Glassine, waxed paper, grease proof paper, etc. Millinery, garment and laundry	lb.	1,018,440	2, 532, 132 30, 116, 130
Multi-wall		72, 349, 732	30, 116, 130 12, 147, 187
Self-opening		17, 915, 647	4, 401, 933
Paper, not specified		-	10, 248, 471

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
11 - 2 (P L21)			\$ 13,270,180
Bags, plastic (see also "Bags, cosmetic," "Bags, garment" and "Bags, hand")		_	1
Sags, not specified Bakers' equipment including bake pans	_		934, 197
Pala tips:		2 255	
Quantity made	ton	3, 255 3, 286	889, 408
Palle minding		38, 749	5, 653, 324 1, 517, 560
sall and rod mills, grinding Salloons, toy	gr.	243,793	584, 423
Malloons, meteorological	doz.	31,500	389, 313
alls onlf	_	33, 593	413, 267
alls, softball	doz.	_	920, 858
arley not and nearl	ton	2,504	264, 817
Barrand stable equipment, not elsewhere specified			004 000
Apple, etc. Fish, slack	No.	121, 601 19, 316	224, 878 40, 842
Fish tight	46	58, 727	202, 364
Flour, sugar, etc. Oil, vinegar, water, etc.	_	_	1
Whis key, beer, etc.	No.	24, 110	452,598 6,033,390
Parrols stepl	_	1,613,894	843, 926
sarrels, repaired sars and ingots, aluminum (see "Aluminum bars, rods and ingots")		_	1
sars and rods, brass and bronze	_		
Hot rolled, of all grades: Quantity made	ton	523,383	_
Quantity made Quantity shipped	66	470, 052	76,044,204
Cold rolled and drawn: Quantity made	64	47,360	
Quantity shinned	66	47,382	14,000,034
Concrete reinforcing Sasket bottoms	M	3 25, 222 11, 885	40, 949, 68 320, 89
Reskets and crates fruit and vegetable	_ [at	3, 301, 15 372, 080
saskets, other not specified sathing caps	_	-	294, 58
Rathing mats and sets	_		1, 010, 97
Sathing shoes Sathing suits, including trunks, etc.	doz.	222,395	6, 400, 98
Bathrobes, kimonos, lounging jackets, etc.:			
Cotton: Women's and misses'	46	191, 022	2,356,18 349,62
Children's Rayon and silk:		15,089	
Women's and misses'	6.6	38, 546 6, 124	1,594,75 588,84
Men's and youths'	**	3, 272	80, 95
Wool and flannel: Women's and misses'	44	9, 385	578,32
Men's and vouths'	6 6 4 6	6, 931	846,71
Children's Boys'	44	3,026 205	170, 06 6, 56
Not specified:	46	18, 198	1, 374, 32
Women's and misses' Men's and youths'	44	8,000	539, 37
Children's Not specified	66	517	27, 17
Not specified	No.	246,508	189, 40
Satteries: Storage, for automobiles and other internal combustion engines	64	2, 441, 913	22, 769, 71
Storage, for railway service (cells)	44	27,579	1, 123, 51 346, 64
Storage, for farm lighting plants (cells) Storage, for direct motive power, industrial trucks, mine locomotives, etc.	4.6	21, 027 2, 844	2, 141, 82
Storage for all other purposes	No. of cells	1,769,279	1,668,46 1,198,78
Dry cell, 6 in. batteries Dry cell, radio, for portable sets	61	24, 529, 057	1, 373, 48
Dry cell, radio, non-portable sets	4 4	14, 311, 153 32, 152, 100	1, 237, 18 3, 614, 38
Dry cell, flashlight Dry cell, hearing aid "A" Dry cell, hearing aid "B"	_]	
Dry cell, hearing aid "B"	-	-	1, 474, 70
Parts and sumplies for hatteries	_	-	2,595,15 3,288,56
Sattery containers, covers, etc	=	_	5, 574, 74
Bearings, ball, roller, pillow blocks, engines and other bearings, not specified Beauty parlour equipment (see also "Hair dressing accessories")	-,	-	16,536,03 1,005,26
Beauty parlour equipment (see also "Hair dressing accessories")Beds and couches:		-	
Beds, metal Studio couches, metal and other	No.	111,611	2, 451, 40 3, 180, 04
Couches, other than studio, metal	No.	5,381 83,601	70, 70 823, 00
Cots and bunks, metal	66	83,601 2,702	823, 00 78, 91
Beds, camp	44	10, 542	57, 84
Bedspreads and bed sets: Cotton	44	800, 203	3, 247, 16
Rayon and rayon mixtures Not specified		58,678	662,96

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Beekeepers' supplies, n.e.s.		_	104 211
Beer, ale, stout and porter (sales):	_	_	194,311
Bottled and canned Draught	gal.	185, 303, 868	328, 272, 825 59, 858, 669
Beer, spruce	**	49, 879, 937 663, 400	515, 689
Beet pulp, wet and dried	ton lb.	154,051	2, 299, 300
Belting, rubber	-	136, 025	630, 844 10, 264, 464
Belts, automobile, fan Belts, body, fabric or fabric covered	No.	2,512,363	1, 953, 830
Belts, body, not specified		_	1,757,709 3,005,466
Belts, garter	doz.	126, 226	1, 055, 620
Belts and belting, rubber, other	lb.	638,673	63, 203 842, 845
Belts and aprons, sanitary Benzol	-	-	126, 956
Beverages, carbonated (bottled and canned)	gal.	155, 516, 762	4, 681, 023 141, 386, 441
Beverages (in bulk)	6.6	1,946,020	1,349,415
Bicycles	No.	134, 987	3,572,534 179,904
Billiard and bowling supplies, n.e.s.	-	_	9. 280, 193
Binders, loose-leaf and other Binding and stitching (trade work)	-	_	4, 431, 801 4, 658, 265
Bindings (see also "Tapes"):			
Cotton	_	-	1, 384, 480 516, 067
Other	_	_	409, 471
Bins and hoppers		-	1,448,734
Biologicals and vaccines Biscuits, plain and fancy	lb.	206, 328, 019	6, 120, 321 63, 468, 591
Biscuits, soda	**	45,811,908	11, 785, 634
Black, acetylene	_	_	1
Blackboard, asbestos and other	-	-	462,657
Blankets: Cotton	_	_	1
All wool	pr.	155,685	
All synthetic and synthetic blends	lb. pr.	1, 086, 215 650, 745	2,213,403
	lb.	3,332,303 1,096,350	3, 837, 119
Other, including cotton mixtures and crib blankets	pr. lb.	1,096,350 2,094,248	3,041,994
Slumber throws	No.	6,331	56,055
Blankets, electric	No.	5,438	28, 990
Blankets, rubber, printers'	-	-	270 710
Blanks for window blind rollers (sawn)	_	_	556,774
Bleaching compound Blinds, venetian (See "Shades and blinds")			
Blood, animal, dried, edible	lb.	736, 882 9, 141, 356	39, 441 369, 857
Blood, animal, dried inedible		3, 141, 000	505,001
Quantity shipped	ton	325,993	32, 821, 954
Cotton, women's and misses' and children's:	doz.	492,311	10, 360, 452
Cotton, children's	6.6	492,311 125,920	1,832,141
Rayon and rayon mixtures, women's and misses' Rayon and rayon mixtures, children's	4.6	105,443	2, 463, 707 18, 150
Woollen, women's and misses'	66	11, 205	432, 126
Woollen, children's		2,598 15,660	84,393 578,140
Nylon, children's	66	4,018	80,700
Synthetic, other, women's and misses' Synthetic, other, children's	44	104,697 22,106	3, 127, 382 452, 826
Other, women's and misses'	4.6	25,066	482, 276
Other, children's Blow torches	46	5, 953	1 71,527
Blowers for domestic furnaces	No.	212,813	2,555,755
Boats, life and whale	44	88 802	182,530 2,083,929
Boats, motor Boats, outboard motor	6.6	20,766	6, 446, 299
Boats, sail (see also "Canoes")	6.0	216	203, 515 2, 480, 565
Boats, other including row boats, skiffs, etc. (see also "Canoes")	_	_	219, 193
Boiler compound and chemicals	-	-	3, 562, 842
Boilers, heating, all types Boilers, power	_		12, 575, 037 21, 867, 842
Boilers, range and wash	-	-	2,707,936
Boilers and engine parts and accessories Bologna and blood pudding	lb.	8, 638, 127	4, 150, 920 2, 402, 520
Bolts, nuts and rivets	-	-	23, 272, 713 1, 575, 105
Bone and meat, meal and flour	lb.	29, 426, 136 22, 050, 931	293, 360
Bone, raw, ground, etc		,,	
Books, printed and bound, chiefly for advertising (included with "Advertising matter, printed, n.e.s.")			
Books, printed and bound, not chiefly for advertising	copy	43,599,770	18, 839, 499
Books and pads, drawing, exercise, scribblers, etc., n.e.s. Books, ledger and account	_	_	5,739,955 1,675,879
			3, 022, 663

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
ooks, blank, bound, not specified	_	-	1, 916, 09
	M	398,788	6, 408, 22
ottles, paper, milk	147	-	1, 562, 28
	-	-	1
ottles, thermos iowling supplies (included in "Billiard and bowling supplies") ox toes	pr.	17, 431, 120	569,94
	11 41	7 104 004	123, 898, 64
loxes, paper: Corrugated, including wrappers, etc. (see also "Wrappers") Fibre board	M sq. ft.	7, 124, 094	123, 090, 09
Folding	-	-	81, 971, 45
		gen.	15,001,53 80,52
Set-up loxes, plastic loxes, wooden:			
A I a I athor family	No.	288, 042 31, 512, 433	194, 93 473, 18
Appie and other trut Berry Butter	44	1, 274, 488	822, 81
Chassa	84	339, 488	232,01
Cigar Pish Pish	No.	853,473	782,77
Wood	66	273,886	242,35
Voncer and plymood		1,479,510	2,776,08 3,672,36
Not specified	No.	672, 271	429, 76
		36,576	1,838,00 384,0
lox panels, plywood raids and gimps		50,510	2, 190, 47
trake beams (reilway car) and narts	-	-	794,70
trake fluid			1,718,56 5,026,48
Brakes, auto and parts	_	_	5,477,18
No. 20	6 011	276, 885	11, 139, 01 8, 976, 05
rass and bronze ingots brass and bronze products, not specified		33,476,543	1,866,7
rass and bronze products, not specified	ton	826,738	206, 597, 9
rass and profize products, not specifications from the specification of	м	159.326	6, 174, 8
ricks, cement	6 4	159,326 551,113,850	27,618,1
		36,633	1, 012, 90 1, 827, 59
Sites, Salu-Illie Striquettes, coal and coke Stronze ingots (see "'Brass and bronze ingots")	-	_	1,021,0
Prooms:	3 -	0.01 1.07	2, 595, 09
Corn	doz.	201, 197 30, 574	2, 595, 08
Fibre Hair	1	6,538	212, 6
Plastic		4, 163 4, 219	66, 34 16, 0
Toy	_	7,210	47, 5
Brushes:		05 004	167 6
Clothes	doz.	25,994 9,372	167,6 64,4
Cosmetic Generator and motor	-		1, 155, 9
Hoir	- !	43,576	979, 4 86, 7
Nail Paint	6.6	509, 299	4,086,3
Shaving	1	11,881 57,622	138, 8 215, 0
Shoe Tooth		598, 238	885, 2
		319,513	1,507,8
		179, 451	1,545,8 1,000,7
r of muushiai dee Other, including artists' Brush blocks, backs, etc.		where	501, 9
Buckles, clips, etc.			276, 6 583, 6
Suffing composition		_	995, 1
Building blocks, hollow cement, cinder, sand-lime, etc.	-		40,641,2
Ruilding hoards:	1	_	1
Asbestos cement boards and sheets Gypsum wall board	sq. ft.	399, 528, 231	15, 853, 9
Paper board		-	624, 1
Wood fibre: Rigid insulating	ton	162,830	19, 348, 4
Other soft boards	. -	-	
Hardhoard	, ton	86, 252	9, 228, 6
Particle board Other, including bonded boards, panelling, etc.	_	_	1,522,3
Ruildings (houses, etc.) prefabricated:			6 093
Metal Wood		_	6, 083, 3 13, 603, 4
Rungs, barrel	. -	-	57,
Buns		_	36, 796, 1 405,
Burlap productsBurners, gas	No.	8, 193	823,
Duenare oil nower type		107,076	8,766,4
Burners, oil, power type Burners, oil (parts) Burners, oil (parts) Sutane (included in "Gases, liquefied petroleum")		8,367	498, 8 1, 588, 6
Burners, 011 (parts)			
Butane (included in ''Gases, liquefied petroleum'') Butter, whey, factory made	. lb.	2,656,672	1,492,3

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1959 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Buttons:			\$
Celluloid	_	_	1
Covered	} gr.	24,258	104 726
Leather) 61.		104,726
Metal	66	2,765,918 194,114	2, 234, 221 263, 007
Pearl	1	101,111	
Vegetable ivory	5 -	done	46, 281
Not specified	_		1,380,535
Butyl acetate	_	_	1, 281, 596
Butyraldehyde	-		1
Cabinets, ice cream (refrigeration) Cabinets, phonograph, radio and television	an-	450 000	1 000 000
Cabinets, silverware	No.	476,389	9, 933, 087
Cabinets, other including shower	-	-	256,354
Calcium acid phosphate	-		1
Calcium chloride	_		1
Calcium cyanamide			1
Calcium naphthenate	-	-	1
Calendar pads and cards	-	-	1, 431, 764
Calks, horseshoe	lb.	20, 440, 214	7, 750, 215
Cameras	_	20, 110, 211	1, 100, 210
Candles and cierges:			
Church changl and synagonia	_	-	621, 021
Church, chapel and synagogue	doz.	8,367	2,379,341 16,425
Condy sticks	_	0,001	215, 074
Canoes (see also "Boats")	-	and a	626, 447
Cans, garbage and ash	-	-	1,712,212
Cans, metal, cream and milk			729, 762 78, 877, 549
Cans, metal, non food	_	_	35, 572, 325
Cans, paper or fibre, with paper or metal ends	-		3, 505, 568
Cans, all paper or fibre	-	-	466,788
Canvas and canvas goods, n.e.s. Capacitors, (static condensers for power factor correction)	_		73,000 5,973,120
Caps:			0,010,120
Cloth	doz.	296, 832	3, 037, 043
Cotton	44	73,001 2,836	380, 728
Leather	6.6	1,918	87,927 65,725
Sport	**	127, 096	1, 101, 421
Uniform	6.6	21,510	577, 836
Not specified		1,445	27, 185
Metal, all kinds	_		15, 700, 075
Paper, milk bottles	- 1	-	1,634,362
Paper, other, not specified Plastic Plastic			-
Not specified	_		1,699,938 85,745
Caramel butter	-	-	1
Carbon bisulphide	-	-	1
Carbon dioxide (cylinders and solid)	_		1
Carbon tetrachloride	_		1
Carboxel (see "Sodium carboxymethyl cellulose")			
Cards, greeting	M	645, 265	16,760,512
Cards, playing	M	80, 993	166, 284
Cards, visiting	295	00, 880	100, 204
Carpets in rolls, including stair:			
Axminster	sq. yd.	449,548	1,829,169
Wilton Tapestry or velvet	44	849,859 1,065,506	6,229,357 6,594,330
Tufted	**	2,997,698	10, 550, 559
Squares, mats and runners:			
Axminster		274, 105	1,553,463
Mats and matting, cocoa Other carpets, mats and rugs			4, 244, 091
Carpet sweepers	-	_	1
Carriages, sulkies, etc., baby	No.	196,055	3, 222, 581
Carriages, doll		261,888	941,349
Carriages and wagons (see ''Vehicles'') Carriage and wagon boxes	44	706	257, 266
Carriage and wagon parts, n.e.s.	-	ano.	24, 186
Carriers, litter	_	_	7, 593, 779
Carrier current equipment	_		657, 922
Cars, cump, nand, push and other, n.s. Cars, railway, complete (freight and passenger)	No.	3,585	40, 370, 183
Carts, concrete and other	-	-	1
Carvings, wood	lb.	4, 840, 462	16,069 1,296,455
Casein, dried	lb.	3, 039, 886	1, 290, 455
Casein green		0,000,000	
Casein, green	-	-	36,835
Casein, green Cases, clock Cases, jewellery Cases, key, card, cigarette, utility, etc.	No.	1, 381, 965	1, 286, 638 1, 186, 808

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Cases, portfolios, brief, etc.	No.	610, 217 1, 017, 677	2, 296, 036 1, 023, 108
Cases, pottorios, offet, etc. Cases, off drink and other beverage Cases, toiletware		5, 088	14, 978
Cases, other not specified	-		1, 211, 468
Wooden, hardwood		50,094 4,381	5, 101, 444 290, 310
" cloth covered		68, 009 2, 418	3,781,980 403,669
Metal (interior lined and unlined) Not specified	—	53, 247	2,548 699,390
Shelis and rough boxes	44	38, 119	130, 962
Casks, other Castings:	-	man .	10, 643
Aluminum Brass and bronze	lb.	27, 867, 709	7, 046, 682 13, 630, 032
Copper	*****	461,083	380, 971 8, 876, 023
Die Grey iron		_	41, 309, 356
Lead		117,311	493,527
Malleable iron	ton	23, 235	9, 269, 059 586, 684
Iron, not specified		100 101	000,001
Quantity made		102, 131 97, 005	43,921,834
Not specified Castors, all kinds			12, 848, 595 1, 447, 045
Satalogues printed etc.		10,757	21, 759, 925 3, 272, 591
Catalysts		10, 101	
Caulking materials		-	1, 129, 484
Cellulose products, n.e.s.		_	1 1
			99, 708, 987 462, 577
Cement, linoleum and tile		_	580,725
Cement, not specified		-	2, 789, 020
Dranged (ready to serve)	ton	47, 957 7, 515	30, 321, 058 1, 698, 521
Unprepared (Chains, automobile			2, 163, 640
Chains, other than automobile, including sprocket chain			5,896,201 433,849
Channel rubber Chaplets, foundry	ID.	592, 395	249, 743
Tharcoal		14,310 105,590,399	37, 469, 199
Cheese, Canadian cheddar Cheese, other, whole milk		11, 938, 062	5, 271, 735
Cheese, skim milk and cottage		23,315,460 53,049,107	4, 965, 441 23, 695, 321
Cheese Cloth	,,,,,,, J.V.,	3,492,527	410,340 17,644,967
Chaste goder and other	NO.	21,615 16,902,191	915, 757 12, 391, 497
Chewing gim Chicken, canned (see "Meat, canned")	box		
Children's sleepers (see also "Infants' wear") Children's waists, n.e.s.	uoz.	72,812	889, 645
Chlorine, liquid or gas	10.	310, 010, 000	9,310,535
Chloroform			
Chocolate coating: Liquor			1
Sweetened: For own use	7.	16,886,120	gow.
For sale		9,735,543 640	4, 091, 190 311, 965
Choppers and grinders, food		306,004	61, 273
Cider (for sale)		313, 472	23, 014, 368
Cigarettes ²		34, 273, 043	493, 910, 645
Clay, bentonite and other	–	-	622, 998 1, 450, 057
Cleaner, automobile, fabric, floor, etc.	who	-	149,322
Cleaners, vacuum and parts	1b.	51,616,278	10, 258, 752 8, 286, 535
Cleaning preparations, n.e.s. Clips and staples, wire			4, 487, 624 1, 609, 132
Clocks	No.	1, 115, 607	3,817,559 389,888
Cloth, asbestos		-	97,210
Clothes driers, electric and gas			14, 570, 591
Clothes line		1,065,325	637,307 722,736
Clothes pins Clothing, hospital Clothing, military, n.e.s. (see also ''Jackets'' ''Pants'' and ''Suits, uniform'')			1,348,823 271,587

 $^{^{\}rm 1}$ Indicates that the commodity was reported by one or two concerns. $^{\rm 2}$ Includes excise duties and sales tax.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Clothing, oiled and waterproofed, n.e.s. (see also ''Raincoats'')	-	-	785,618
Clothing, rubber, n.e.s. (see also "Aprons" "Raincoats" and "Coats and capes")	_		1
Clothing, safety	-	- [413,745
Clothing, n.e.s. Clothing, sport:	_	_	3,342,684
Shorts: Women's and misses':			
Cotton	doz.	55,064	1, 292, 801
Rayon	84	619 7,341	17,356 198,454
Not specified	4.0	2,654	71, 595
Men's and youths': Cotton	6.6	12,017	257,885
Not specified	-	- 1	1 201,000
Boys': Cotton	doz.	9,182	129,041
Not specified		- 1	1
Cotton	doz.	88,510	872,936
Wool and wool mixtures	64	5,934	132, 099
Not specified		328	4,745
Women's and misses':	N. C.	0.007.040	F 010 F00
Cotton (including jeans)	No.	2, 037, 849 152, 818	5, 218, 799 510, 214
Wool and wool mixtures	66	722, 828	4, 260, 211
Not specified		7,840	26, 011
Children's: Cotton (including jeans)	66	2,853,192	4, 196, 411
Rayon	4.6	241,813	488, 418
Wool and wool mixtures	44	287, 754 210, 784	571, 735 256, 425
Not specified		210, 104	200, 120
Ski and snow suits: Women's and misses	**	27,050	186, 237
Children's	6.6	2, 156, 580	5, 714, 641
Other sport suits: Women's and misses'	No.	294,001	870,659
Children's	6.6	123, 866	271,470
Clothing, sport, (baseball, gym and athletic) (see also "pants, hockey, soccer, etc.") Clothing, sport, other, n.e.s.	_	_	1, 236, 053 1, 574, 113
Coats and jackets:			-,,
Men's and Boys' overcoats and top coats: Regular models:			
Boys'	No.	7,623	92,300
Men's and youths'		504,631	14, 782, 197
Men's and youths'	66	18,673	246, 136
Women's and misses' coats: Regular models:			
Rayon Woollen	44	41,396 1,422,975	441, 166 36, 045, 150
Other	6.6	131, 415	4, 297, 182
Station wagon	6.6	32, 128	331, 248
Regular models:	6.6	ma4 aaa	0.004.008
Woollen	44	794, 299 52, 472	8, 264, 665 376, 996
Not specified	6.6	66,802	743, 189
Other coats, not specified	No.	188, 166	1,402,380
Men's and vouths' senarate jackets:	44	672, 451	10,702,567
Civilian Milifary	4.4	26, 128	352,940
Military Women's and misses' separate jackets:	4.0	45,380	527, 153
Wool and mixtures	44	22, 293	358, 076
Cotton Other	66	70,575 7,546	388,860 249,260
Children's separate jackets:			
Wool and mixtures	No.	202, 937 140, 834	614, 642 562, 201
Rayon and mixtures	66	20, 218	85,451
Other	6.6	3,012 70,632	15,006 631,531
Coats, short (including windbreakers, mackinaws, parkas, leather coats, vests, etc.):			
Wool and wool mixtures: Men's and youths'	doz.	76,031	6, 968, 041
Boys'	44	29,595 27,260 17,347	1, 899, 723 1, 225, 556
Children's (under 14)	6.6	17,347	1, 337, 214
Cotton: Men's and youths'	doz.	109, 011	6,892,193
Boys' Children's (under 14)	44	21, 030 63, 725	1, 103, 911 2, 638, 747
Women's and misses'	e e	36, 806	2,691,708
Not specified	who	_	

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
Coats and jackets—Concluded:			\$
Coats, short (including windbreakers, mackinaws, parkas, leather coats, vests, etc			
Concluded: Leather:			
Men's and youths' Boys'	doz.	14, 983 3, 460	1, 911, 668 516, 050
Not specified	-	-	1
Rayon: Children's (under 14)	doz.	6,205	236, 683
Women's and misses' Not specified		3,456	243,686
Other:		00.004	0 440 045
Men's and youths'		86, 024 34, 969	6,410,915 2,165,777
Children's (under 14)		12,207	426, 932
Women's and misses'		21, 496	1,026,636
Plastic: Children's	No.	78, 672	118,864
Men's and youths'		59,076	165,305
Women's and misses'		35,921	60, 368
Children's	25	8, 211 82, 964	60, 033 1, 058, 216
Men's and youths'		282, 964	3, 992, 278
Other, not specified		4,695	49, 185
Coats and capes: Plastic	doz.	45,531	1, 056, 266
Rubber, rubberized and showerproofed		45,331	2, 818, 206
Coats, fur:	1		10.000
Children's	No.	228 215, 028	16,320 49,657,776
Men's		142	47,654
Coats, fur-lined (ladies')	44	284 11	41, 118 2, 163
Coat plates		_	564, 208
Cobalt naphthenate	lb.	5,558,757	3, 117, 001
Cocoa butter: For own use		1	_
For sale			1
Cocoa and chocolate preparations, n.e.s. (for sale)		14,022,065 2,571,526	6, 765, 589 990, 502
Coffee-makers, electric	No.	124,890	1,706,171
Coffee-makers, glass Coffee, instant	lb.	10,062,133	23, 395, 489
Offee roasted		84, 152, 186	55, 097, 514
Coffee substitute	_	_	
offine shells or rough hoxes (see "Caskets and coffins")	ton	4, 089, 833	65, 148, 555
Coke, petroleum*	66	579,385	7,032,333
Coke, gas-house* Coke, petroleum* Coke, pitch Cold storage equipment (see "Refrigeration equipment")	••••	3,463	67, 097
COLLARS AND CULTS		116 494	72,833 1,046,001
Colours, fur	–	116,484	5, 215, 546
Colours, food		32,764	236, 408
Colours, in oil and japan		3,017,555	1, 125, 619
Conforters:	No.	75,479	485,404
Down		1,533 39,206	30,562 218,384
Wool		33, 206	157, 277
Communication systems (see "Radio communication equipment")			1
Compacts (only) powder and rouge		min .	6,628,794
Compressors and condensing units (refrigeration)	No. gal.	10,554 574,337	2, 121, 755 9, 031, 133
Concrete, ready-mixed	cu. yd.	8, 179, 831	99, 926, 979 24, 506, 542
Concrete products, n.e.s. Condensers, evaporation (refrigeration)		000 000	24, 506, 542
Conduit, fibre		-	1 400 555
Conduit, flexible		-	428, 557
Aluminum		12,094,138	2, 524, 074
Electrical, metallic tubing		49, 057, 382	9, 203, 993
Conduit fittings and accessories		383, 403	8, 091, 988 2, 138, 970
Cones, ice cream	- WI		1, 584, 307
Confectionery, chocolate: In bulk		17,387,886	7,516,768
In bars		63, 034, 101	35, 462, 163
In packages	6.6	22,527,824 2,584,631	14, 862, 445 1, 859, 080
Not specified		63, 647	45, 430
Confectionery, marshmallow: In bulk		1,705,093	390, 89
In packages		6,822,371	1,657,701

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Deodorant (not personal)		-	547, 15
Detergents			62,798,09
Dextrose	-	_	1
Dibutyl phthalate		-	1
Dicyandiamide		. =	984,72
Dies, metal working, n.e.s		-	12, 870, 848
Dies, taps and stocks		_	1,410,933 859,074
Dioctyl phthalate		_	1
Discs, agricultural (see "Ploughs")			,
Piscs for cartridge cases		_	420, 861
ishwashers, electrical, commercial and other	No.	4,827	2, 282, 98
isinfectants		-	1,365,14
isplays, advertising		_	10,883,99 1,728,633
istillers' grain (see "Grain, brewers" and distillers")			1,120,00
itchers, blade	-	-	1 104 204
og collars and harness	No.	31, 594, 250	104,393 149,140
olls, all kinds			4, 838, 43'
olls' furnishings and parts		-	515, 01
oors, aluminum (solid and clad)	-	-	8,940,37 2,731,13
oors, metal and metal clad (excluding aluminum)		400	6, 430, 15
oors, veneer and plywood	No.	2,653,658	18, 079, 13
oors, not specified		_	3, 220, 07 12, 688, 34
lowels		_	432,57
own, processed (included with "Feathers")			0.004 80
Orapes and drapery material		_	3,881,72
Presses, children's:			
Cotton		2,367,561	5, 583, 28
Nylon		806,397 604,623	2, 475, 23 2, 398, 07
Synthetic, other	""	148,683	487, 81
Wool and wool mixtures	! "	133,380	492, 76
Not specified Dresses, women's and misses':		39, 323	199,70
Cotton (see also "Coats, brunch coats, housecoats, etc.")	61	5,844,440	26, 294, 406
Nylon		464, 163	4,587,57
Rayon and rayon mixtures	111	4, 193, 022 1, 262, 498	36,702,52 14,017,06
Wool knitted suits and dresses (including children's)		185,868	14, 017, 06 967, 96
Not specified	"	682, 575	8,359,86
Pressing gowns, negligees, (see "Bathrobes, etc.") Pressing, salad	lb.	34, 605, 719	7,896,97
Pressings and finishes, leather, (not including polish)			1,685,76
rilling machines (metal working)	No.	791	299,54
Orills, diamond and rock	No.	6,711	3,412,70 4,424,68
rills, grain, press and plain		1, 255	637, 16
orills reamers etc. including screw plates			12,456,51 878,76
Drives, V-belt Druggists' sundries;			010, 10
Hot water bottles]		
Nipples and soothers		-	371,99
Ice caps and collars Not specified			
Orums, veneer, plywood and other	-	-	1,048,98
lyeing finishing shrinking etc!	1 1		9, 823, 77
Dyeing and finishing of textiles Dyeing and finishing of yarns	lb.	1,219,377	370, 40
Dyeing and finishing of other products		_	1,631,53
Bleaching, sponging, dveing, etc. (custom)	-	_	3,006,22
yes, blended and packaged yes, leather		_	134, 43 11, 72
ar muffs		-	1
		_	1
conomizers	No.	391, 013	268, 63
ar assa fillars		4 050 001	1 004 50
ras frazen	10.	4,956,691	1, 934, 59
Ogg substitute			1
Electric heating elements (sold separately)			5,337,72
lectric heating elements (sold separately) lectrical apparatus, parts and supplies, n.e.s. (excluding carrier current equipment) lectrical instruments (see "Instruments, etc.")		-	10,682,48
Hectrical instruments (see "Instruments, etc.")		-	1
Pleatronic aguinment n e s	-		596, 94
lectrotuning and starentyning		-	9,516,62 12,836,53
Elevator, freight and passenger Elevator parts			1,533,47
Devator parts		-	299,31
Imbalming fluid Choossing (included in "Trade work, n.e.s.")			3, 952, 41
Embroidery		-	0, 002, 11

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
nfectionery, sugar: in bulk	lb.	44, 855, 145	11,018,3
		3,035,795 35,661,239	1, 291, 5 12, 175, 7
n bars in packages Penny goods		14, 459, 506	4, 038, 0
Penny goods Lozenges	44	1,838,811	391,8
		701,713	285, 1'
rorree: In bulk		4,957,405	1, 846, 2
In packages flectionery, not specified flectionery mixes (see "Icings and candy mixes")	64	820, 267	281, 2
nfectionery mixes (see "Icings and candy mixes") ntainers, n.e.s.	_	_	2, 266, 0
ntainers, h.e.s.	-	-	23, 911, 2 2, 869, 7
		24, 950	1,688,0
nverter equipment, electricat plers, bottled beverage plers, milk and other		ann	221, 8 344, 0
		_	344, U
operage, other, not specified		ans-	555, 5
		10.000	303,9
		12,836	1,536,1 997,3
res for small paper rolls	_	800	1, 144, 4
		_	1
tn for popping		_	
rselettes, girdles, etc.:	doz.	27,009	1,786,7
		151, 412 167, 393	6, 920, 4 5, 191, 8
Girdles with rigid paners, pus elastic Girdles, principally elastic Bandeaux, brassieres		826, 984	11, 889, 4
		173, 254	4, 226, 8
		15,306	110, 2 291, 4
brassletes, incorpectation spectations of the strains of the straps, girdle blanks, etc		don	1
tton fabrics:			
All cotton:	lb.	69, 454, 628	
Grey	yd.	194,957,482	48, 940, 8
Piece dyed	. lb.	21, 673, 632 71, 445, 461	24, 598, 5
Bleached			2
		34, 114, 408 103, 466, 145	35,683,8
			1, 179, 6
Yarn and stock gyed Not specified ounters, shoe		26,658,641	964,8
		_	429, 7 2, 775, 4
		_	2,110,
overings, botte and pipe, aspected and color overs, aboy carriage and crib overs, boat and car		_	419,3
		***	3,430,0 1,246,1
overs, couch, table and other furniture	doz.	18, 546	401,
overs, mattress overs, plastic overs, stockinette, meat (see "Knitted fabrics") overs, seat, automobile		-	1
vers, stockinette, meat (see "Knitted fabrics")		_	3,982,
		-	1,591,8
		-	237,
		20,003,342	31,788,
ayons, wax and chair eam sold to consumers eam sold to dairy plants		16, 930, 733	13, 140,
and to jobborg		2,597,019 14,865,149	3,219,
eam transferred to other branches of firms reporting eam, whey, sold in dairy plants		1, 226, 434	662,
		199,271	166,
		_	796,
oss arms	_	-	2,055,
		6,830	54, 6,637,
iltirators	1400	22, 394	1, 245,
liverts ips, paper, baking, bonbon, etc.	M	1,782,136	2,717,
		1, 113, 428	7, 993, 282,
stoing shower	::\	_	2, 248,
ritains, fabric ritains, fabric ritains and drapes, plastic, rubber, etc.		99, 572	1,478,
ustain matarial	.VU.	1,645,700	748, 2, 216,
urtain rods and fixturesushions		_	1, 271,
		28, 509	30,
ughion tone		66, 935	1 65,
		_	178,
utlery, all kinds (see also "Flatware")		1 100 515	2, 482, 496,
		1, 182, 715	2,075,
		-	1, 631,
yiniders, gas airy products, not specified airy equipment and machinery (see "Machinery")			2,406,
Decorations, including party favours and confetti, etc.	***]	_	11, 271,
			48,

¹ Indicates that the commodity was reported by one or more concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Engines, auto	_	_	1
Ongines, auto, parts Ongines, diesel	No.	010	0 040 040
Ingines, gasoline, all types except automobile	No.	212	8,843,840 17,757,761
Ingines, (steam turbine, marine)	_	_	1, 101, 101
Orgine parts	-		5, 703, 287
Insilage cutters		_	1
Insilage and forage harvesters	No.	972	1,273,409
Convelopes, made Convenient Conve	-	-	20,749,811
Chanolomines		_	624,091
Chyl acetate		eno	1
Cthyl hexonal	-	-	1
hthylene oxide	_	-	1
Properties of the colls, ice-makers, etc.)	_	_	2,839,807
xcelsior, paper	ton	1,205	60,650
Excelsior, wood	No.	4,631 10,064,201	295, 913
Explosives	140.	10, 004, 201	155, 201
Explosives Explosives (xtracts, flavouring (bakers' confectioners' household, etc.)		-	6, 107, 382
Extracts, flavouring, etc. (used for soft drinks see also "Concentrates") labrics, coated and impregnated, including felt saturated, book cloth and shoe materials)	Imp. gal.	90, 565	864, 383 9, 336, 774
'abrics, rubberized and waterproofed	-	_	2, 329, 122
abrics, other, n.e.s.	-	sete	1,700,825
ace clothsacial tissue, (see ''Tissues, cleansing'')		-	1, 021, 509
Cacing and parting, foundry	ton	28, 401	831, 092
ans, electric	No.	105, 325	1, 374, 478
arm'equipment, n.e.s. Esteners, zipper		_	1, 186, 620
esteners, zipper	ft.	107,303,138	8,597,222
astener parts	_		1, 447, 058 212, 342
eathers and down, millinery and other	_		797, 391
eed, chopped graineed cutters and mixers (see also "Ensilage cutters")	ton	499,933	26, 896, 798
eed, poultry	ton	1,345,871	135,603,056
'eed, stock	6.6	1,514,916	135,603,056 106,747,891
eed, stock and poultry, n.e.s.	**	25,822	2, 562, 903
ed supplements, n.e.s. etc. ''elt, coated and saturated (included in ''Fabrics coated, etc.'')	_	_	2, 576, 917
'elt, cotton	lb.	8,762,900	1,086,921
elt, harness and athletic	44	380, 223	288, 854
elt, industrial and automotive (uncut)	_	1, 769, 461	494, 929 69, 050
elt, jute	-		1
elt, sole	-	-	29,661
elt, padding		_	2,920,106
elt, paper (see "Paper, building and roofing") elt, pennant, crest and fancy lining	-		369, 668
elt, shoe and gaiter	sq. yd.	436, 784	415, 027
elt, for pulp and paper making	lb. sq. yd.	1,993,024 870,217	9, 898, 964 762, 785
elt, n.e.s.	-	-	810, 451
ences, electric	No.	15, 462	128, 491
ences, ornamental ironencing, steel wire:	ton	94	37, 450
Farm fence	8.6	15,522	3,248,376
Lawn fence	86	1,248	347, 207
Chain link fabric	_	7, 458	1,953,343 475,605
erro-alloys, (ferro-silicon, ferro-chrome, ferro-manganese, silicon spiegel, etc.)	-	-	24, 117, 864
ertilizers, mixed	ton	757,000	41,500,634
ertilizers, other than mixed including ammonium sulphate, ammonium nitrate phosphate, ammonium nitrate (fertilizer grade), ammonium phosphate, and superphosphate	_	-	52,670,911
ibre glass products, n.e.s.	-	-	1
libre, staple and tow	lb.	37,785,098	19, 197, 780
iles and rasps	_		6,335,646
illing, pie, apple	lb.	9,822,058	1,253,998
filling, pie, other than apple	6.6	19,714,671	4,667,427
filling, pie, powder (included in "Powders, pudding")	_		1
ilms, photographers' including X-ray films	-	_	1
liter cloth and bags	_	_	251, 288 3, 727, 653
ilters, air, oil burner, cigarette, etc	_	_	7, 258, 848
irearms	-		1
ire clay	ton	10, 034	57, 764 2, 234, 253
ire extinguishers, hand-type	-		4, 142, 495
ire fighting and fire protection equipment, n.e.s.			1, 010, 501
ireplaces and furnishings ireworks (see ''Pyrotechnics'')		0 400 441	
ish, canned	case	2, 468, 441	53, 102, 000 27, 787, 000 83, 850, 000
ish, otherwise prepared	lb.	407, 408, 000	83, 850, 000 2, 171, 750
ish, fresh, marketed for consumption sold in factories			

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical Lists of Commodities, 1959 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Total No. Market			S
ixtures, lighting: Commercial and industrial		-	23, 890, 2
Residential		_	7, 900, 9 4, 756, 6
Street-lighting Searchlights and floodlights		_	1,871,2
lags and bunting		410 500	465,7
lashlight caseslashlight caseslashlight caseslashlight cases	No.	418, 599	551, 9 5, 637, 3
lint for lighters			5, 637, 3 270, 3
locks, wool and other, n.s.	lb.	7,898,000	470, 0 344, 8
loor cleaning equipment, n.e.s		_	1
noring hardwood	[M ft. h.m.]	72,050	13, 458, 0
ooring, sheet rubber oor joist, steel (see "Steel, structural and ornamental")	lb.	711,945	370, 4
Ooring, metal		-	660,5
otation machines		-	1 1
our, barley			1
our, corn			
our, prepared and self-raising, cake mixes, pie crust, etc.)	lb.	109, 658, 327	19, 810, 9
our preparations for sausage fillings our, soya bean		_	1
our, wheat:		E 001 000	94 000 0
Spring No. 1 patent including Semolina		7, 391, 026 13, 372, 490	34, 098, 9 56, 927, 2
Spring, No. 2 patent		11, 567, 156	56, 927, 2 46, 222, 2 2, 108, 1 12, 406, 5
Flour, graham or whole wheat		511, 909	2, 108, 1
Ontario, winter Low grade flour		2,814,608 2,646,250	9. 951. 1
Durum Semolina		933, 920	4, 202, 9
All otherour, rye		1,389,157 148,040	5, 509, 9 589, 9
owers, artificial		- 140, 040	
ue linings			2, 523, 1 1, 582, 5
y pads and papery swatters	doz.	70, 194	73,9
il (aluminum) laminated with paper or board (see "Paper board")		, , , , , , , , , , , , , , , , , , , ,	
il manduate n a a		_	11, 728, 5 1, 680, 9
ol products, n.e.s	gal.	7,570,733	7,344,7
ood, bird, fox, dog, etc.:			, , ,
Bird food Fox biscuits		223	21,6
Dog biscuits	66	4, 513	1, 214, 6
Canned dog and cat food		71.401	1, 214, 6 13, 407, 2
Other dog and cat food		12,840 2,373 34,187	2, 540, 8 296, 3
Mink and other animal food		34, 187	3,785,4
ood, stock and poultry, n.e.s. (see "Feeds")			2 277 (
ood mixersood, infant and junior (pre-cooked cereals)	1b.	7,797,225	2, 377, 2 2, 940, 2
ood, infant and junior, other, canned		65, 659, 137	20, 912,
oods, frozen, n.e.s	1241040	10, 086, 262	4, 020, 2, 000,
ood warming equipment (including electric)	_	ton	1, 901,
oots, vegetable oil		-	1
otwear, leather (see also "Slippers"): Felt uppers (including felt slippers):			
Babies'	pr.	24,503	31,
Boys'	.,	16, 134	40,
Children's, including little gents	44	14,020 226,671	23, 660,
Youths' Misses'		6,241 11,173	15, 25, 25, 25, 25, 25, 25, 25, 25, 25, 2
Misses' Women's and growing girls		11, 173	25, 28,
Leather or fabric uppers:			
Babies'		2, 862, 595	6, 260,
Boys'		1,270,207 6,227,574	4,337, 15,820,
Men's		7, 956, 149	45, 794,
Youths'		663, 339	1, 514,
Women's and growing girlsootwear, moccasins, including shoe packs:		17, 810, 048	69, 733,
Babies'		10, 174	16,
Boys' Children's including little gents	******	24, 889 21, 802	48,
Men's		108, 526	325,
Youths'		3,669	4,
Women's, misses' and growing girls'ootwear, leather, n.e.s.	1111111	308, 931 158, 780	567, 5 796, 6
potwear, plastic	64	2,844,519	3,256,
potwear, rubber:	1		
Knee and hip boots, all rubber	******	1, 047, 141 281, 581	3, 591, 1, 452,
Lumbermen's boots, all leather tops		177, 287	1, 068,
Overshoes and galoshes, cloth uppers		824,502	3, 111,
Overshoes, all rubber (lined and unlined) Light and heavy rubbers		3, 233, 830 2, 428, 988	8, 888, 3, 223,
Rubber bottoms for leather tops		175, 049	3, 223, 484,
Utility footwear with canvas or other fabric tops		1, 955, 617	3,616, 201,

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1959 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Forgings, iron and steel	ton	59,487	21, 511, 781
Forgings, other	-	- 1	7, 652, 739
Forks, (farm implements) Formaldehyde	lb.	25, 125, 988	1, 834, 015
Forms, continuous, printed	_	20, 120, 500	28, 577, 673
Fountains, soda and luncheonette equipment Frames and cases, spectacle		_	1,372,804
rreezers, individual, nome and farm	No.	61,862	12, 842, 559
Freon Fringes, cords and tassels		mar mar	647, 419
Frit, enamel Fruit drinks	-	_	1
ruit juices, canned, bottled, etc	lb.	93, 688, 687	5, 628, 135 6, 627, 135
Fruit juices, concentrated (frozen)	-	- 1	
ruit pulp	lb.	4, 039, 835	1, 150, 572
Truit, canned: Apples, including crab apples	lb.	10, 254, 065	1 004 050
Apple sauce	8.6	14, 312, 164	1, 224, 050 1, 479, 616
Apricots		4,705,374	997, 369
Blueberries	lb.	1,496,422	378,659
Cherries Loganberries	- 66	8, 736, 518	1,647,399
Peaches	lb.	49, 156, 136	8, 105, 312
PearsPlums	4.6	31, 135, 820 8, 066, 271	5,004,594 914,406
Raspberries	44	2,330,155	649, 112
Rhubarb	66	189, 756 2, 571, 990	17, 528 684, 563
Fruit cocktail and fruit for salad	6.6	8, 688, 816 6, 040, 967	1, 701, 795
Other fruits, not specified, pineapple, etc. ruits, fountain	66	6,040,967 845,496	1, 126, 144 428, 080
Tuits, glacé	6.6	5,417,653	2, 484, 040
ruits, maraschino cherries ruits, frozen for reprocessing	66	3,684,058 3,592,390	2, 087, 796 617, 511
ruits, frozen not for reprocessing	4.5	20,741,971	4, 445, 100
ruits, in SO ₂ for reprocessing ruits and flavours for ice cream	gal.	3,491,350 309,576	379, 107 851, 877
Tuits and vegetables, n.e.s	-		144, 100
Ty pans, electric	No.	247, 813	2, 957, 240 751, 855
Tur dressing and dyeing	-	-	6, 503, 695
ur trimming			2, 681, 634 6, 023, 978
ur, synthetic and products		100 645	1
urnace, warm airurnace, industrialurnace, industrialurnace, industrialurnace	No.	190, 645	33, 450, 083 987, 349 868, 242
'urnace, not specified, and furnace parts 'urniture, wood:	-	-	868, 242
Camp, lawn and verandah	_	-	624, 790
Children's	-	-	3, 997, 931
Bedroom		-	38, 543, 187
Breakfast room Dining-room	_		1, 218, 438 7, 005, 273
Kitchen	-	-	6,642,383
Living room (not upholstered) Other	_	_	9, 063, 555 4, 077, 115
Office, store and restaurant	_	-	23, 317, 274
School, church, lodge, etc. Other, furniture and cabinet work, n.e.s.		_	11,510,218 8,653,840
'urniture, metal:			17 594 000
Breakfast room	_	_	17, 584, 022 4, 579, 311 377, 081
Children's		_	377, 081 3, 906, 067
Household, n.e.s. Office, store, restaurant, theatre, school, etc.	_	_	18, 271, 668
Other not specified	-	-	9, 548, 047
Living room (upholstered)	-	-	60,835,310
Not specified (upholstered)	-	-	3,645,398
Camp, lawn and verandah		_	13,679
Office, school, lodge, church, theatre, etc. Other not specified	_	_	1,279,778 2,811,449
'urniture frames and parts:			
Wood	_	=	8, 279, 223 2, 400, 218
Not specified	_	-	1, 314, 511
Turniture glides	_	=	4,336,455
aiters, spats and leggings (children's)	-	-	1
alvanized ware	_	_	1, 185, 494 3, 247, 229
arage equipment, n.e.s.	_		2, 392, 370
as made;* Retort coal gas	Mcf.	4, 996, 348	_
Coke oven gas	44	58, 356, 931 335, 979 779, 951	_
Water gas	66	330,919	

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Gas, dry*	Mcf.	95, 042, 447	8,651,925
Gas used in own coke or gas plants* Gas used in associated metallurgical work* Gas, otherwise accounted for, but not sold* Gas, not accounted for* Gas, still, from petroleum refineries*	86	17, 210, 689 37, 129, 087	5, 536, 036 9, 687, 086
Gas, otherwise accounted for, but not sold*	64	2, 988, 727	1, 148, 025
Gas, not accounted for*	66	2, 988, 727 2, 330, 180	680, 855
Gas, still, from petroleum refineries*		38, 397, 688 12, 354	16, 941, 261 313, 387
		-	13, 597, 227
Gases, liquefied petroleum" Gasoline, aviation (for own use)* Gasoline, aviation (for sale)* Gasoline, motor* Gasoline, blending* Gasoline, natural*	bbl.	677, 959	5, 994, 493
Gasoline, motor*	66	95, 519, 002	498, 829, 304
Gasoline, blending*		C4 E10 074	4 000 057
Gaskets	gal.	64, 510, 274	4, 868, 257 4, 225, 661
Gas producing apparatus and parts	-	-	1
Gates	No.	27, 259	561, 894
Gauges, pleasure (included in instruments)	-	_	967,589
Gears, rubber tired, truck, trailers, etc.	No.	6,941	768, 538
Gears, transmission	lb.	2,359,440	2, 200, 725 1, 234, 348
Generators (electric)	-	-	20, 273, 278
Generators, steam, diesel and parts			3, 091, 280 1, 080, 679
Glass, bevelled and polished edge, plates and sheets		_	870, 964
Glass. leaded, including memorial windows	-	-	248, 088
Glass, non-shatterable		_	26, 809, 237 61, 962, 188
Glass vials and chemical glassware	_	_	569, 717
Glaceron de la contrata	_	-	992,539
Glassware, decorated Glass products, other Glasses, sight (see "Spectacles")	_		3, 335, 714
Glasses, sun	pr.	2,503,622	1,097,229
Gloves and mittens, fabric, dress:			
Cotton: Women's	doz. pr.		
Men's	16	32,535	532, 826
Children's Nylon, all types	5 "		4 000 044
Rayon and rayon mixtures, all types	} "	139, 866	1, 927, 714
Gloves and mittens, fabric, work; Cotton:			
Men's	64	687, 709	2, 058, 953
Women's	} "	102, 572	487, 005
Other, not specified, including leather-faced	1	_	515, 934
Gloves and mittens, knitted	doz. pr.	58, 801	616, 844
Gloves and mittens, leather, dress:	44	111 747	2,621,389
Men's lined	46	111,747 22,906	642,616
Women's and children's, lined	44	32,739	485, 528 151, 676
Women's and children's unlined	6.6	5,708	151, 676
etc."	46	33,205	318, 661
Gloves, plastic, coated and rubberized	66	71,137	631, 554
Gloves, rubber		185, 590	1, 153, 332
Glue (bone, hide, fish and vegetable)	lb.	49, 209, 422	9, 634, 994
Glue stock		40, 624, 540	324, 076
Gluten feed		_	1
Glycerine, crude	lb.	1,571,776	379, 201
Glycerine, refined Glycols, ethylene	-	12,993,517	3,867,213
Glycols, not specified	_	601	1
Goggles, safety	-		4 250 002
Gold (remelted for resale, recovered from old golds and alloys)	No.	387, 916	4,358,963 2,385,453
Golf clubs (complete) Golf supplies, including golf bags, carts, etc. (see also "Balls, golf")	_	-	1
Grains, roasted	_	211,335	4, 363, 290
Grains sold wet and dry (brewers' and distillers') Granite monuments	ton	211,000	4, 314, 882
Granite, for building purposes	-	-	1, 203, 387
Granules, roofing			1
Grape concentrate			
Graphite (included in "Electrodes carbon and graphite")			2,033,416
Grate bars and grating	lb.	3,054,915	758, 642
Grease, n.e.s.	4.6	7, 196, 710	758, 642 362, 066 573, 827
Grills and hot plates, electric, including stoves for glass coffee makers	No.	82,395	573, 827 339, 668
Grinding machines (metal working)	_	133	1 339,008
Gums, unvulcanized	lb.	380, 984	328, 474
Gymnasium supplies, not specified		12, 057, 234	670, 756 493, 015
Hair, animal	lb.	3, 772, 115	632, 108 1, 851, 905
Hair dressing equipment and accessories			1,851,905
Hair nets (included in "Hair dressing equipment and accessories") Hair processed (resilatex)		_	1
			122, 813

 $^{^{\}mbox{\scriptsize 1}}$ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
alters, leather ammocks	No.	31, 266	90, 58
andkerchiefs	4	165 100	12,68
		165, 193 8, 271, 691	284, 233 625, 850
andles, long tool and axe andles, small tool		8, 271, 691 1, 822, 274	1, 053, 41
allules, II.e.s	1	14, 328, 954	946, 598
andfing equipment, n.e.s	1	_	1, 468, 941
angers, garment	_		4, 466, 043 1, 784, 13'
ardware appliances ardware, automobile		-	764, 68
ardware, puriders	1	-	6, 116, 850
		Ξ	21, 148, 51 305, 09
aluware, lumiture	1	_	6, 873, 30
ardware, harness and saddlery ardware, pole-line (line materials, distribution specialties, etc.)		-	1
ardware, trunk and surcase		_	12, 590, 063 281, 68
ardware, not specified		_	4, 846, 93
arness, collars arness, double	No.	5, 762	42,02
arness, single	set	242	29, 59
arness parts		596	37, 450 255, 350
arrow carts		~	1
allows, disc (norse or tractor drawn)	No.	14,516	5, 153, 358
arrows, drag and spring toothassocks		35,515	475, 484
at blocks		_	1, 110, 58: 55, 94
ats, cotton:			
Men's	doz.	2,564	37, 983
Children's	**	5, 602 12, 223	112, 984 125, 713
ats, fur feit:	1		120, 110
Men's	44	90, 066	5, 075, 073
Children's	}	30,048	1,706,115
ats, linen, women's and children's		5,364	142, 963
ats, wool felt:	1 1		
Men's	66	22,322	470, 607
Children's		50, 450 10, 151	1, 475, 850 162, 411
ats, velour felt:		10, 131	102, 411
Women's		47, 170	2,301,275
Otherats, straw:		509	36, 130
Men's		25, 558	564, 844
Women's	86	89,657	3,804,627
Children'sats, panama	**	23,330	299, 719
ats, silk and rayon, men's, women's and children's	" 41	5, 844 32, 930	272, 384 890, 088
ats, velvet, women's and children's		46, 168	1,459,311
ats, wool, women's and children's	50	4,679	95, 40
ats, novelty, carnival, etcats, waterproofed and oiled		_	157, 10
ats, not specified:	1	_	•
Men's	doz.	6,960	56, 254
Women's Children's	44	41,308	747, 582
Headwear including tams, berets, etc.		27, 584	192, 230 1, 282, 648
ats and caps, fur (see also "Caps, fur")	doz.	158	26, 532
ats, cleaned and reblocked	-	- 1	80, 20:
at bodies atters' supplies, including hat linings	doz.	139, 347	2,098,657
ay balers	No.	10,432	284, 389 10, 090, 880
ay loaders		828	71, 79
ly makes, dump, tedders, etc		9, 767	71, 79 3, 417, 62
eading, barrelearing aids		-	292, 93
eaters, air, electric	. No.	123,323	1, 973, 309
eaters, auto and engine		-	3, 756, 533
eaters, electric unit	No.	21,686	4, 533, 83
eaters, water tank, coal, wood or oileaters, water tank, gas		2, 161 118, 691	297, 463 7, 702, 283
eaters, water tank, electric	66	471, 127	4, 839, 30
eaters, water, electric, including tanks and controls	45	72,028	3, 971, 852
eaters, not specified		-	150, 348
eating and ventilating equipment, n.e.s.		-	23, 878, 496 24, 180
els, leather, wood, etc.	pr.	25,787,844	5, 671, 835
eels, rubber and composition		15, 251, 376	1, 958, 988
examethylenediamine des, all kinds		_	16, 641, 085
ockey pucks		- 1	1 10,021,000
ockey sticks	No.	3,322,114	2, 062, 255
oes, hand	-	-	0 011 405
oists Dilow-ware, copper	~	_	3, 811, 465
Dllow-ware, sterling silver		_	310, 540
Dllow-ware, silver-plated on Britannia metal	[-	44, 231 968, 366
	-	_	968 366
ollow-ware, silver-plated on brass and copper		_ :	53, 298 265, 220

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Hollow-ware, vitreous enamelled	_	_	319, 108 230, 733 724, 370
Holster sets (toy)	_	_	724,370
Honey butter Hoops, steel and steel wire (included in "Sheets, hoops, bands and strips, iron and steel")	_	~	1
Hooves and horns	lb.	1, 198, 525	22,850
Hormones, sex	lb.	717,080	2, 806, 965 305, 262 87, 152
Horseshoes	_	_	87, 152
Hose, fire, rubber and rubber lined	lb.	297, 598	507, 131
Hose, garden, plastic Hose, garden, rubber	ft.	9, 307, 857	1,313,671 1,199,193
Hose, other		-	10,681,357
Cotton and cotton mixtures:			
Men's seamless: Work socks	doz. pr.	202 000	1 007 174
Fine socks Other (anklets, sport, etc.)	**	263,696 149,049	1,067,174 649,784
Women's seamless:	66		
Full length stockings	**	58, 844 438, 344	237, 885 1, 428, 474
Children's seamless:	**		
Full length stockings	**	81, 556 41, 052	275, 294 155, 025
Other	66	433,600	994,713
Silk and silk mixtures, seamless and full-fashioned	. 66	19, 978 6, 850	155, 025 994, 713 137, 605 90, 099
Rayon and rayon mixtures: Men's, seamless	66	4, 484	18, 956
Women's, seamless	66	10,356 37,985	25, 969 74, 274
Nylon:	44		
SeamlessFull-fashioned	"	5,859,956 2,343,782 263,392	34, 236, 972 13, 548, 983
Greige (undyed and unfinished)	6.6	263,392	856, 024
Men's, seamless:			
Work socks Fine socks	66	430, 667 435, 859	2,360,655 3,656,085
Other	81	386, 839	3, 104, 559
Women's seamless; Full length stockings	8.6	21, 939	176, 290
Other (anklets, etc.)	**	21, 939 42, 973	230, 707
Full length stockings	66	31,833	208, 151
Other (half length, anklets, etc.)		59, 086 158, 158	208, 151 263, 323 727, 949
Hosiery, not specified	86	225, 350	1,385,036
Hospital equipment, n.e.s. Household equipment (plastic)		_	2,350,886 1,803,696
Houses, pre-fabricated (see ''Buildings etc. pre-fabricated'') Humidifiers and air conditioners	_	_	1, 186, 248
Hydrants Hydrogen	-	-	2, 426, 643
Hydrogen chloride, anhydrous			602,394
Hydrol	ton	447, 940	3, 169, 839
Ice cream mix	gal.	2, 687, 251 38, 236, 652	4, 497, 685
Ice cream (factory)	_	30, 230, 032	63, 503, 437 60, 086
Icings, icing paste and candy mixes	_	_	637, 064 338, 113
Incense and incense charcoal	lb.	3, 919	9, 635 525, 233
Incinerators Incubators and other poultrymen's supplies Infants' wear (see also ''Knitted infants' wear''):		_	525, 233 242, 570
Infants' wear (see also ''Knitted infants' wear''): Bibs (including plastic bibs)	doz.	375, 321	442, 147
Coats	66	17, 508	1, 395, 456
Dresses	44	126, 642 907, 264	1,820,719 2,132,628
Diaper sets, etc. Headwear	66	20, 888	418, 507
Night gowns	44	20, 888 72, 987 109, 317	597, 476 579, 110
Rompers	66	90,470 92,023	972, 242 1, 074, 795
Sleeping bags and bunting Slips	46	28, 489	664,533
Not specified		3,856	20,731 762,882
Not specified Ingots (see "Aluminum", "Steel", "Brass", "Bronze") Ink eraser, liquid	_		1
mik, printing and inthographing	lb.	33, 041, 489	16,000,664
Ink, writing Ink, not specified	_	_	311, 880 468, 828
Insecticides and fungicides	-	-	8,502,546
Aircraft engine and flight instruments Electric quantity instruments and accessories	-	_	14, 660, 698
	ATTO:		10, 317, 411

¹ Indicates that the commodity was reported by one or two concerns.

2.50 of Commodities, 1999 — Continued					
Items	Unit of measure	Quantity	Value of factory shipments		
Instruments (indicating, recording, controlling, etc., n.e.s.)—Concluded:			\$		
	_	_	,		
Pressure measuring including gauges and access and	-	_	208, 424		
Temperature and hygrometric instruments and accessories Other instruments and accessories		_	1,590,396		
Other instruments and accessories	-	_	11, 684, 357 9, 481, 553		
Insulators, porcelain and insulator parts	_	_	6, 283, 918		
Iron, pig:	_	-	5, 668, 857 441, 390		
Quantity made	ton	4, 182, 775	·		
Iron and steel products solled a second	4.6	662,341	36, 280, 610		
Iron work ornamental and architectural	_	_	2, 005, 515		
Irons gasoline	No.	435, 991	25, 842, 603 4, 118, 487		
Ironers, electric Ironing boards	No.	1,115			
Ironing boards Irrigation equipment	_	- 1,210	177,342 687,894		
Irrigation equipment Jacks, mechanical (including "hydraulic")	_	_	256, 808		
Javelle water	lb.	84,382,240	1,586,025 17,311,069 9,277,209		
	lb.	7,868,035	9, 277, 209 1, 893, 291		
Jewellers findings	-	- 1	23, 447, 193		
	_	_	1, 227, 687 2, 669, 156		
Jute, lute paddings and jute very etc.		-	1,000,100		
	_	_	1		
Kegs, fish Kegs, nall, etc. Kettles, electric	No.	455 504	1		
Kettles, electric	No.	475, 724 352, 728	394,674 2,299,049		
Kitchen equipment for hotels, cafeterias, etc. Kitchenware, aluminum, including pressure cookers	_	-	8, 642, 091		
Kitchenware, aluminum, including pressure cookers Kitchenware and ovenware, glass (included with "Glass, pressed and blown") Kitchenware, other (see also "Woodenware, kitchen")	_	-	6, 500, 544		
	_	-	5, 558, 100		
Cotton stockinette, including meatwrap	lb.	1,430,759	1, 780, 894		
Cotton, not specified Nylon and nylon mixtures	66	2, 935, 412	4, 196, 746		
Rayon and rayon mixtures Wool	6.6	2, 538, 462 3, 389, 763	8, 263, 060 4, 275, 943		
Other	61	433,228 1,115,045	1,061,729		
Knitted goods, miscellaneous: Infants' jackets, booties, etc.		1,110,040	3, 400, 377		
	_	_	2,602,715		
Knives, machine	_	_	1, 135, 337 160, 893		
	_	_	1,679,742		
Labels, fabric	-	-	0		
	_		934,803		
Laces, shoe, (silk cotton etc.)	_		1 074 477		
	=	_	1, 274, 475 9, 368, 422		
Lacrosse sticks Lactose (see "Sugar of milk")	-	-	1		
Ladders, step, extension, etc.	-	_	2,223,830		
Laminates, plastic: decorative, industrial, etc. Lamps, electric:	-	-	14, 022, 130		
Floor	-	_	3, 109, 124		
Table Other	_	_	5, 546, 635 396, 629		
Lamps, incandescent, except therapeutic (bulbs) Lamps, fluorescent (bulbs) Lamps plot flech (bulbs)	No.	125, 854, 662	20, 105, 369		
	4.6	7, 482, 566 46, 135, 142	6, 686, 809 3, 627, 093		
Lamps, mercury, etc. (bulbs) Lamps, other	"	26, 290	365, 226		
	_	_	160,000 2,471,527		
Lard	lb.	140 100 500	1, 470, 716		
basts, trees, and shoe initings, not specified	10.	143, 132, 536	14, 668, 582 2, 356, 157		
Latex compounds		- F01 F0F	1		
Dates, Todilled (IllCluded III "Killpher goods sponge and soft")	lb.	7, 731, 797	2, 711, 916		
Lathes, metal-working Lath, metal and corner bead	No.	111	706, 101		
Datii, gypsuiii	sq. ft.	367, 014, 811	4,449,904 11,310,103		
Lead, naphthenate	M	138, 125	1,561,872		
	lb.	55, 237, 283	6,351,660		
Lead, sheet	lb.	4, 432, 247	862, 626		
Dead, white, div	-	1, 104, 421	1 002, 020		
Lead products, n.e.s.	1b.	2, 852, 600	f 520 101		
Lead for pencils Leather:	_	2, 002, 000	532, 181 113, 346		
Belting	_	-	1		
Bag, case and strap	sq. ft.	1, 857, 245	905, 796		
Garment		3,531,874	1, 299, 416		

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
eather - Concluded;			0 047 04
Glove	lb.	318, 782	3,347,86 222,6
Harness Lace	10.	- 1	1
Oil tanned, shoe pack		-	1
Sole:	1	862,499	340, 3
Bellies	lb.	8, 178, 380	5, 653, 9
Bends Shoulders		1,874,911	1,030,3
	"	37, 068	27, 8
Jpholstering (included in "Leather not specified")			
Jpper leather: Calf skins	sq. ft.	9, 906, 436	8, 559, 0
Cattle and heree hides		9, 906, 436 62, 480, 808	25, 994, 9
Chrome splits		12, 635, 963	25, 994, 9 2, 778, 4
Goat skins Sheep skins (included in ''Other upper leather'', not specified)			
Other not specified	sq. ft.	388, 722	113,3
		-	1,465,6
that not enecified		5,823,567	2,156,6 5,530,8
tther, not specified		- 020,001	1 01 , 4 357, 7
nithin		_	357,7
nses ontical	110.	4, 127, 648	3,500,1
nees ontical contact			1
sees for ontical instruments		_	123,
tters, aluminum, plastic, etc.		_	665,
rhter fluid	111		825,0
		642, 182	1, 012, 4 2, 956, 6
bting againment n a c		apina mina	269,
hiting rods and supplies nin		man.	1
7080		_	1 00 100 1
ma quick (including value of containers)		_	22,130,9 2,441,6
nes quick interdung value of contacts) nestone (building and monument) ne material (see "Hardware, pole-line")			
ne maternal (see "Hardware, pole-line") nings, brake, asbestos	-	about	4,420,3 757, 1,615,0
-in-a plane and about			757,
ings, n.e.s. ioleum (see "Floor covering")	-	non-	1,010,
noleum (see "Floor covering")	-	_	1
tharge	***	_	1
akass and shelving metal	- 1	- 000	6,006,
ocomotives, diesel-electric, new*	No.	380	66, 824, 7, 446,
comotive and car parts, n.e.s.	cd.	18,612	302,
ome weeving		_	1
		010 500	20, 393,
Imber matched	MI II. D.III.	212,529 1,351,909	98, 423,
mber, planed		7, 598, 114	490, 852,
mber not specified*		-	3,010,
Α	1	37, 458, 684	4,814,
caroni and spaghetti, canned	LDs	111,043,134	15, 247,
caroni, vermicelli, spaghetti, etc., dry			
Adding	No.	13,568	1,897,
Bakers', mixing Bakers', not elsewhere specified		657	723, 644,
Bakers', not elsewhere specified	No.	26	326,
Boring (metal-working)			
Basis, invessed of the second	–	altra .	1
Cleaning and pressing (included in "I sundry cleaning and pressing")			1
Coal handling and coal pulverising		-	2, 165,
Concrete and cement making Construction		_	2, 165, 7, 657, 19, 202,
Conveying and elevating (except passengers and freight elevators) and parts		_	19, 202,
Dairy and milk products plant, excluding milking machines		-	1,588. 14,962,
Excavating, dredging, loading, etc.		_	370,
Flour and grist mill, n.e.s. Food products machinery, n.e.s. including milking machines Grain grinding		_	2,530,
Grain grinding	No.	2,538	152,
Grain loaders and elevators			2,403, 12,736,
Hoisting, except mine hoists		_	3, 473,
Kitchen and other household Knitting		_	1
Laundry, cleaning and pressing		_	1,645, 1,247,
Logging		_	1, 247,
Metal-working, n.e.s. Milking (included in "Food products machinery, n.e.s.")		-	200,
Milking (included in "Food products machinery, n.e.s.") Mining and metallurgical, n.e.s. and parts		_	10, 214,
Office, n.e.s. (see also "Machinery, adding")		-	23, 864 2, 401
Oil refining	-	_	2,401
Plastics	-		345 1,071
Printing Pulp and paper		Ξ	18, 121,
Pulp and paper Road making	-	-	1,054
Rock drilling, earth boring and related machinery, n.e.s.		-	5,711 3,934
Rolling mill Rubber mill		_	1, 452,
			1, 102,

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
Machinery - Concluded:			\$
Saw and planing mill Sewing Shing and fitting		-	3, 587, 802
		_	2, 888, 133
Transmission	_	****	138, 817
Vulcanizing Washing machines:		_	3, 191, 142
Electric	No.	319, 769	26 061 460
Parts and accessories		4, 157	36, 061, 468 564, 656
		_	1,605,488 5,187,522
Wood-working, n.e.s. Wrapping and packaging		_]	896, 656
Machinery narts not specified	-	_	1,392,455 25,198,925
		_	8, 075, 112
Malt, caramel	- }	-	1
		_	1
Malt extract and syrup Malt, flour		6, 596, 995	1,105,757
Mantles, lamp and stove	-		1
		_	2, 615, 751
Marble monuments	-	-	1
		-	520, 958 811, 223 17, 669
Marble, chips and dust Margarine and margarine substitute	lb.	167, 134, 426	17,669 36,771,022
Marmalades		_	303,688
Match Splints and match blocks	1b.	20, 761, 677	4, 120, 378
Matches, other	No. of books	675, 291, 500	2, 815, 970
Mats and matting, rubber Mattresses, air and sponge		_	4, 363, 948
mattresses, spring lifted and other	No.	1,453,944	4, 363, 948 304, 715 25, 759, 387
Meal, corn	ton	56, 216	3, 189, 608
	**	6,228 198,537	590, 295 9, 272, 950
Meal, linseed oilcake Meal, meat, hoof, lung, liver, etc.	6.6	55, 453 37, 745	3,795,955 3,417,461
Meal, pea Meal, rapeseed oilcake	_	-	1
	_	_	1
Meal, rye Meal, sunflower oilcake	ton	3, 134	168, 113
Meal, soyabean oilcake	ton	356, 234	23,316,077
Meats, fresh and frozen	lb.	1, 657, 885, 604	627, 108, 173
Poultry, fresh and frozen Horse meat, fresh and frozen Monte over and endergreen	44	69, 081, 541	26, 919, 735
meats, cured and shoked		148, 014 276, 166, 962	19, 907 136, 512, 808
Meats canned:	4.6	314, 018, 819	130, 773, 177
Beef	66	4, 483, 889	3, 043, 498
FUIR	8.6	26, 685, 736 137, 270, 338	6, 796, 215 80, 074, 786
Poultry	66	7, 404, 481 5, 045, 704	4,870,201 2,546,017
MISCELLA NEOUS	46	4,892,375	2, 229, 124 536, 540
Meats, not specified Meat scrap, cracklings, etc. Medicines and pharmaceuticals (see also "Antibiotic", "Penicillin", "Streptomycin" "Without the company of	66	887,490 24,886,402	536, 540 1, 290, 962
Medicines and pharmaceuticals (see also "Antibiotic", "Penicillin", "Streptomycin" "Vitamins", etc.):			-,,
Registered as patent medicines	-		24, 467, 133
Ethical specialties for human use, n.e.s. Oral antiseptics	_	_	55, 331, 500 1 440 519
All other human medicines	-	-	1, 440, 519 9, 335, 738
Other, including medicinal chemicals, sutures, etc. Metal products, not specified		_	6, 658, 304 2, 802, 634
Meters, gas Meters, parking	_	_	557, 283
Meters, water	_	_	1
Meters, other and meter parts Methyl isobutyl carbinol	_	_	948, 160
Methyl isobutyl ketone	-	-	1
mica products	-	_	1
Milk sold to consumers	gal.	281, 636, 258 34, 114, 409	246, 140, 132 12, 731, 788
	44	51, 354, 043	34, 074, 171
Milk, transferred to other branches of the firm reporting Milk, buttermilk, sold	-	33, 645, 513	11, 142, 408 2, 753, 505
Milk, condensed	lb.	14,607,478	2,041,657
Milk, evaporated	46	315, 933, 897	40, 225, 180
Milk, skim Milk, skim, condensed	lb.	4, 239, 762	8, 214, 919 404, 743
Milk, skim, evaporated		12, 536, 893	

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Milk products, not specified		_	2,884,505
filk products, not specified Milk drinks, (see "Food drinks") Milling cutters	_	***	842, 234
dincement	ID.	6, 107, 631	1, 192, 827
Aine timbers, props, wedges, etc.			519, 355 4, 821, 119
Molasses	ton	61,276	1, 458, 784
Nonuments, lettered only	1017177	-	587, 853
Monuments, (see "Granite", "Limestone" and "Marble") Monument bases, etc.		-	362,109
Mops, dish	doz.	55, 922 418, 317	82, 138 2, 856, 294
Mops, n.e.s. and parts		-	939, 177
Aorticians' goods, n.e.s		_	382,560
Motors, electric, A.C. and D.C. (except starting motors)			40, 304, 965 3, 878, 282
Motors, other, and parts			
Aouldings including metal Moulds and dies		22,648	17,301,264 318,995
Moulds, n.e.s.		-	3,224,909
Moulds and stools, ingot	ton	93, 178 30, 605	9, 543, 871 7, 008, 097
Mowers, lawn		110, 531	4, 682, 296 163, 277
Mucilage	No.	1,840	36, 933
Muff beds. etc			1
Multiplex equipment Munitions and other war supplies		E. I	1
Muriate of potash Music, printed	ton	2,901	167,304 205,687
Musical boxes, powder and other	No.	30,525	205,687 69,921 71,535
Musical instruments and parts, n.e.s	-	-	71,535
Mustard prepared	gal.	1, 590, 727	2, 181, 448 300, 776
Nails, aluminum Nails, brass and copper:		_	300, 110
Quantity made	lb.	146,849 137,831	77, 216
Nails and spikes, cut from plate		-	1
Nails, wire, including shoe rivets: Quantity made	keg	1,527,192	_
Quantity shipped		1, 481, 101	15, 230, 229
Nails, horseshoe		_	89, 825
Naphthalene	gal,	432, 724	179, 299 4, 325, 872
Naphtha V.M. and P. or solvent*	M	2,906,297	4, 573, 405
Napkins, sanitary (see "Pads, sanitary") Neckties	doz.	822, 854	7, 334, 548
Neckwear, women's		40, 287	455,711
Neckpieces, fur		4,555	229, 026
Needles, knitting, other	–	_	103,370 1,121,885
Nets and netting, fabric	1b.	584, 448	444, 245
Night dresses: Cotton and flannelette	doz.	134, 549	2, 824, 283
Nylon		64, 777	1, 991, 272 1, 450, 775
Rayon and silk		69, 914 25, 400 2, 013	754, 990 47, 786
Nights hirts Nitrobenzol		2,013	47,786
Nitrogen		115, 514, 210	1,001,323
Nitrous oxide		_	480,024
Novelties, plastic	-		1,433,152
Novelties, other Nuts, roasted, salted, etc. (see also "Peanuts, roasted, salted, coated")	lb.	8, 281, 458	1, 024, 384 5, 540, 140
Nylon fabric (see "Silk and synthetic fabrics" and "Knitted fabrics")			338, 141
Oars and paddlesOats, rolled	ton	40,549	8, 151, 054
Oatmeal		7, 930	854, 203 1, 833, 701
Offal, not specified			1
Oilcloth, other than floor Oil, aniline			i
Oil, cocoanut, crude and processed	lb.	10, 732, 721	2,401,234 572,591
Oil, coreOil, corn, crude	-	-	1
Oil, corn, refined Oil, cotton seed		13, 837, 052	2,672,248
Oil, creosote	gal.	10, 540, 732	2 726 237
Oil, fish (industrial) Oil, fish (vitamin)		52, 954, 000 4, 044, 143	3,539,000 267,000 1,887,729
Oil, fish, not specified			1,887,729
Oil, fuel: Aviation turbine*	bbl.	4,277,429	17, 028, 245
Diesel*		27, 633, 405	112, 201, 312

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
Ml, fuel - Concluded:			15
Heavy fuel oil:* For own use			
For sale	bbl.	9,013,518 36,786,243	19, 166, 959 83, 609, 892
Light fuel oil:* For own use			
For sale	44	15, 298 48, 318, 017	77, 899 200, 095, 285
II. DISEL	gal.	23, 947	
il, lard	bb1.	13, 907, 291	11,659 60,679,750
	gal.	351,224	562, 558
il, linseed, raw	**	3,965,198	4,894,264
AI, and grease infricating	***	2,616,205	3,823,162 47,606,353
il, neatsfoot il, oleo	lb.	447,927	104, 163
il, palm and palm kernel	_	=	1
II, tapeseed	1b.	12,645,524	1,689,848 1,601,744
il, soybean il, sulphonated, textile oils and other textile chemicals	11	190, 346, 046	21, 802, 097
II, Sunttower Seed		4, 206, 065	434,900
ils, other, not specified	lb.	43,612,272	6, 788, 940
TEO SLOCK	lb.	2, 185, 139	4,089,031 266,855
ptical equipment, n.e.s.	gal.	1,000,509	4, 457, 584
rgans, all kinds	No.	407	1, 606, 876
rgan parts	_	_	179, 274 397, 948
vens, commercial, cooking	No.	557	889, 903
vens, domestic, electric (built-in)vens, industrial, electric		11, 972	1,592,202 1,040,701
veralls (see also "Smocks, etc."): Bib:			1,040,701
Men's and youths'	doz.	50, 808	2,004,299
Boys'	6.6	1, 126	22,668
Men's and youths'	**	58, 144	3, 186, 685
Other, not specified	"	45	1,774
Men's and youths'		205,339	6, 349, 139
Boys' Overall coats (jumpers only):	**	204, 672	4, 247, 032
Men's and youths' Boys'	4.6	9,361	379, 101
Smocks, dusters and shop coats (men's and youths')	doz.	35,621	1,617,191
Children's overalls, all kinds Not specified	44	237, 683	3, 016, 735
xygen	-	839	16,128 13,029,724
ackaging equipmentacking, asbestos		-	805, 109 846, 578
acking, rubber	lb.	1,901,669	1,056,492
acking, not specifiedacking house equipment	_	_	664,608
ads, electric, heating	No.	174,381	546, 984
ads, ironing			390,000 10,843,792
ads, shoulderads, stamp	doz. pr.	952,929	1,006,896
ads, sweat	No.	10, 281	213, 659 13, 528
ads, and padding, n.e.s	-	· -	1, 939, 107
alis, tin	_	_	199, 644
ainting equipment, n.e.s.	gal.	165,648	2, 267, 815
Aints, cement	- gai.	-	510, 501 75, 336
aints and enamels, water-thinned: Latex base emulsion paints	gal.	3,684,301	14,706,490
Resin and other bases emulsion paints, paste and semi-paste	11	477,030	1, 473, 929
Casein and other protein bound, glue bound: Dry	lb.	791,505	102,446
Paste and semi-paste	gal.	10, 540	23,340
Calcimines	lb.	241, 355 577, 049	27, 266 56, 181
Lime and cement bound		1,577,225	221,681 134,368
aints and enamels, ready mixed	gal.	22,060,464	96, 054, 640
aints, paste (not including water-paste paints)	lb.	1,209,240 132,537	280, 604 435, 518
aints and enamels, other (see also "Lacquers")	_	.02,00.	813, 238
ainting, stencilling, etc.	No.	893, 956	12,736 2,127,197
ints, breeches, etc.:		300,000	_,, 201
Breeches:			
men s and youths':			
Men's and youths': Wool and wool mixtures	doz.	191	10, 846

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Pants and slacks, fine, separate, dress and sport: Men's and youths':		570 000	220 220
Cotton or chiefly cotton	No.	572, 962 507, 300	2, 239, 280 2, 478, 517
Rayon mixtures, chiefly rayon	66	719, 939	3,211,786 9,995,001
Wool	4.6	1,057,389 443,920	2, 525, 265
Boys': Cotton or chiefly cotton	44		1,356,662
Rayon	0.0	572, 154 273, 319 366, 203	724, 147
Rayon mixtures, chiefly rayon	**	366, 203 126, 562	864, 749 625, 299
Wool mixtures, chiefly wool	6.6	302, 174	971, 168 185, 618
ants, soccer, hockey, etc			100,010
Men's and youths': Military	No.	109, 556	667, 718
Non-military	170	70, 974	824, 028
ants, work: Men's and youths':			
Cotton	doz.	327, 771 31, 494	11,449,735 1,637,673
Wool and wool mixtures	64	759	49, 676
Boys': Cotton	6.6	69, 123	1,671,633
Wool and wool mixtures	44	10, 457	337, 653 2, 055, 296
ants, baby (plastic, rubber, etc.)	_	_	
ants, not specified	-	-	1,539,96
aper: Adding machine and cash register	-	etino	1, 157, 04
Asbestos	_	_	1
Blue print and other reproduction paper	ton	122,400	6, 637, 159 31, 386, 490
Book (basic)	-	-	1
Writing pads, tablets, etc	_	_	2, 201, 47
Asphalt saturated rag and asbestos felt shingles and shingle type sidings	square	2, 959, 474 764, 685	18, 408, 63 2, 171, 33
Mineral surfaced rag and asbestos felt roll roofings	66	869, 864	1, 862, 05
Roll type rag and asbestos felt siding	ton	145, 032 58, 637	426, 58 4, 727, 13
Tar and asphalt saturated rag and asbestos felts, not coated	66	19,359	2,386,02
Other dry sheathings		1, 173	187, 70
Building papers, n.e.s. (basic)	ton	81,800	6, 741, 65 3, 692, 84
Carbon	_	-	1
Coated, n.e.s. Corrugated (paper and wrappers)	M sq. ft.	165, 299	13, 779, 55 1, 688, 11
Creped or crinkled	lb.	1,315,575	435, 86 43, 111, 39
Fine, writing and reproduction (basic) Fine, mixcellaneous (basic)	ton	119, 733 28, 373	8, 892, 86
Foolscap Friction or flint glazed	**	134	64,04
Gummed (in sheets)	lb.	4,367,669	1, 477, 81
Special, industrial Lining, pan, shelf, etc.	ton	6,373	1, 858, 93 464, 15
Parchment, vegetable Paper napkins and doilies (see "Napkins" and "Doilies")	ton	3,761	2, 263, 38
Newsprint paper (basic):		P1 00 P	# 000 10
In sheets, for printing	44	51, 935 6, 115, 101	7,339,18 701,486,50
Side runs, for pulping	66	33, 894	1, 947, 81
Counter rolls Other	_	<u> </u>	26, 034, 02
Printing and specialty paper, ground wood	ton	101,852	15, 925, 69
Sanitary (basic)	ton	40, 894	9, 278, 84
Tissue, converted Tissue, other than sanitary, (basic stock)	4.6	2, 154 10, 896	1, 022, 89 4, 290, 77
Toilet, converted	case	3,361,378	24, 612, 56
Typewriter	_	_	461,10
Vinylite	_	_	1
Waterproofed, other than waxed, n.e.s.	-	-	i
Waxed paper: Bread wrappers	lb.	24, 848, 696	6, 654, 74
Other, plain and printed		49, 323, 184	11, 495, 70
Wrapping paper (basic stock): Unbleached sulphate kraft No. 1 and 2	ton	259, 308	49, 891, 45
Bleached sulphate or sulphite	66	34, 410 3, 263	10, 448, 86 815, 14
Miscellaneous furnishes	44	5,957	1, 374, 15
Wrapping, special	=		4, 411, 79 1, 511, 28
	-		1,619,73

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
Paper board:			\$
Box board (basic stock)	ton	392, 171	63, 498, 628
Container chin (basic stock)	44		
Uniters (hasic stock)	44	8, 867 175, 327	1,055,695 22,772,952
Aluminum foil laminated with paper or board Clay coated and enamelled	-	341, 891	47, 418, 420
Coated other, not specified	_		1, 034, 159
Wet machine board All other board and paper, n.s.	_	_	1
Parachutes and parachute equipment	No.	1,885,946	3, 036, 513 825, 586
Paraldehyde		_	1
	_	-	4, 981, 324
	lb.	285,858	366, 677 74, 933
Paste, flavouring Paste, meat and chicken (see "Meats, canned") Paste, tooth (see "Dentifrices")		200,000	11,000
Patterns, paper	-	-	3, 164, 961
	lb.	32,724,167	1,592,392 10,281,573
Peanuts, roasted and salted (for sale) (see also "Nuts, salted etc.")	E E	23, 290, 399	8, 052, 635 1, 079, 620
Peavies, cant hooks and pike poles	No.	23, 242	223, 772
Pencils, non-mechanical (black lead)	gr.	484, 113	2, 085, 793
Pencils, mechanical	doz.	191, 318 115, 229	2, 085, 793 1, 262, 336 511, 002
remedian (included in "Antibiotics")	-	-	5, 913
Penicillin preparations Penicillin — streptomycin preparations	_	_	4,320,538 1,030,263
Pens, ball point (including liquid lead pencils)	_	1 007 000	170, 548
	doz.	1, 885, 632 165, 674	170, 548 3, 598, 198 2, 508, 959
Pens, fountain, ball point and other, parts (including ball point replacements)	_	_	1, 339, 350
Perchlorethylene	=	_	1
Percolators, electric (see "Coffee-makers, electric") Perfumes			1 050 040
Periodicals, printed by publishers: Newspapers, daily:		_	1,259,242
Gross revenue from advertising		_	166, 316, 236
Subscriptions and sales	-		59, 129, 731
Gross revenue from advertising Subscriptions and sales	_	_	37, 257, 199
Magazines of general circulation: Gross revenue from advertising			13, 545, 578
Subscriptions and sales		_	18, 512, 676 6, 500, 513
Other publications: Gross revenue from advertising	_	_	60, 867, 025
Subscriptions and sales Petrochemical feed stocks*	bbl.	6,236,695	15, 027, 915 21, 040, 843
Phenacetin Phenal	-	0,250,055	1
nonographs, electrically operated (included with "Record players, electrically oper-	_	_	*
ated") honograph supplies	_	_	498,091
Phosphorus sesquisulphide	_	_	1
Photo-engraving (trade work)	-	-	14, 432, 532
Phthalic anhydride	_	_	6,096,810
Grand	No.	82	118,732
Upright sand other parts single	6.6	7, 681	3,112,487 1,005,885
ickles, relishes and sauces (see also "Tomato catsup")	-	-	22, 272, 852
ictures, framed	-	_	929, 024
ricture and mirror frames, etc	min .	=	1, 267, 041 91, 819, 582
ries, meat'illow cases (included in "Sheets and pillow cases, cotton")	-	_	3, 567, 352
'illow cotton (included in "Cotton fabrics, broad woven")	No.	946, 920	1,787,095
ins, plain, hair, including bobby pins ipe, asbestos cement	-	-	1,244,305
rpe, curvert, sheet metal	ton	65, 054	20, 858, 384
ipe, plastic	lb.	2,465,125	680, 196 3, 152, 367 3, 963, 276
ipe, sewer, clay	- ton	1,136,554	3,963,276 28,014,490
Tipe, steel, rivetted and welded	41	388, 044	83, 175, 911
ipe, wooden	_	_	5,063,290

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1939 - Continued					
Items	Unit of measure	Quantity	Value of factory shipments		
			\$		
	4-11	_	573,269		
Pipe and fittings, brass, bronze and copper Pipe and fittings, cast iron, soil	ton	Ξ	13, 420, 019		
	- 1	-	18,829,877		
Pipe and fittings, cast iron, other Pipe and fittings, malleable iron	ton	8, 167	4,601,452 5,611,199		
Ding and fittings stool nes	41	119,455	33,605,959		
Ding and fittings n a c			2,948,442		
Pipe and tithing, copper Pipes, tobacco	doz.	13,926	83, 285		
		_	3,672,408 1,459,530		
Pistons, automobile.		135, 135	6, 102, 009		
Dlaco mate (naner)	IVI	70,122	423, 264 133, 515		
Planers, wood-working Planing, custom	TAT TAS DSTITE	748, 169	6,751,467		
		1,347	322,746		
Plaques ————————————————————————————————————					
Plastics, primary (see "Resins, synthetic")	_	_	21, 658, 889		
Plate and tank work, steel, miscellaneous	1011	34,582	21,658,889 5,435,129 23,288,241		
		24, 255 408, 835			
Plates, all kinds including boiler and other sheared plates Plates, metal, licence, name, etc.		200,000	1,661,933		
Dlatac and frames addressnorann	- 1	_	407,084		
Plates, forks and spoons, paper Plates, rubber or composition (included in "Electrotyping and stereotyping")	_				
Play ground, track and field equipment		_	868, 258		
Play yards		_			
Ploughs, agricultural: Disc	No.	832 3,996	176, 202 2, 729, 449		
Harrow ploughs, one-way discs, tiller combines Mouldboard		20,475	3,968,268		
Walking	. 1	262	3, 144 30, 728		
Other Ploughs, snow (included in "Snow removal equipment")	_				
		-	445,465 20,072,100		
Plumbers' supplies, n.e.s. (Brass, copper, etc.) Plywood		1,892,918	101,424,606		
		-	1,112,067 353,892		
Poison, gopher and rat Polish, furniture		_	1,009,967		
Polish motel		-	276,836 1,064,466		
Polish, stove		_	25.275		
Polishes and dressings, automobile		-	777, 233		
Polishes and dressings, n.e.s. Polishes and waxes, floor	· — (_	160, 386 16, 097, 244		
Polichers floor electric etc. and parts		-	6,824,408		
Polishing mitts and cloths Popcorn including popcorn confectionery		4,961,222	2,223,964		
Post cards, printed		_	738,976		
Posts, steel, fence Potassium chlorate	. ton	7,648	1,145,554		
Potato chips. (factory made)	, IUo	30,079,782	18,090,390		
Potato pickers, sorters and diggers Pot holders and oven mitts	. 140.	150	62,806 186,173		
Pot scourers		-	729,963 715,219		
Pottery, glazed and unglazed	- -	_	110, 213		
Powder, baking	. lb.	9,386,502 7,529,548	2,523,729		
Powder, buttermilk	- 4	289,934	578,509 95,504		
Powder, egg		911,214	907, 428		
Powder, food drink		15, 137, 989	7,109,991		
Powder felly	. 10.	16,536,577	6,829,425		
Powder, whole milk		22,804,335	6,648,360		
Powder, malted milk Powder, skim milk	1b.	187,960,863	24, 164, 631		
Powder, pudding and pie filling		19,448,679	7,627,128		
Powder, soft drink Powder, whey	lb.	14, 299, 297	876, 955		
Powder, edible, n.e.s.	**	2,055,401	1, 104, 416		
Powder, bronze, iron and aluminum		-	1,042,561 227,948 5,187,350 1,258,826		
Powder, talcum and face	-	_	5, 187, 350 1, 258, 826		
Power units		_	5,526,25		
Precious metal salts		_	1 1		
Presses, tennis and badminton racquet Presses, hydraulic, and other power		_	1,660,62		
Pressure cookers (included under "Kitchenware, aluminum")					
Printing, not elsewhere specified:					
Circular letters (included under "Other brinted matter")		_	2,211,309		
Circular letters (included under "Other printed matter") General, for trade	. –		5 273 591		
	::	_	5, 273, 585 1,079, 149		

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments	
			\$	
Printing, not elsewhere specified—Concluded: Periodicals, newspapers, etc. printed for publishers				
Other printed matter; menus, statements, sheetforms, bank notes, programmes, etc. (see also "Advertising matter", "Certificates, stock, bonds, etc.") Printing and painting on textile fabrics.	-	_	29,823,956	
	_	=	143, 222, 466 2, 251, 180	
Projectors Propane (included in "Gases, liquefied petroleum")	No.	43,651	2,767,487	
Propellers and drive shafts. Publications, subscriptions and sales (see "Printing" and "Periodicals") Puddings, cakes, etc. canned and other	-	-	1	
Puffs, powder	lb.	283,972	121,061	
Pulleys, wood, and other Pulpstones, artificial	_	_	562, 427	
Pulpwood (produced in sawmills)	cds.	197, 431	8,440,588 21,540,220	
Pulp (wood): Ground wood:			==,020,000	
Quantity made	ton	5,655,701 281,149	18,902,291	
Quantity made	"	2,234,039	10,302,231	
Sulphite, bleached:	44	1,493,848	182,640,206	
Quantity made	66	897,653 791,040	110 000 400	
Sulphite, unbleached: Quantity made	**	1,622,772	118, 287, 470	
Quantity shipped	**	376,330	32,656,989	
Quantity made	66	75,260		
Defibrated or exploded wood: Quantity made for use in producing mills	44	19, 107	538,011	
Other:		173,619	4,802,440	
Quantity made Quantity shipped Pumps:	ton	82,864 57,866	7,269,955	
Centrifugal	-	_	8,511,523	
Cistern and pitcher	No.	6,916	755,346	
Rotary	No.	31,039	1,033,672	
Vacuum Steam	No.	435	290,882	
Other power pumps	No.	9,081	2,749,075 4,589,003	
Hand pumps	No.	61, 424	421,395 5,409,873	
Pump jacks	-	3,430	113, 248	
Punching machines	_	=	4,607,375 32,736 2,153,994	
Pyjamas:	-	-	1,470,758	
Cotton and flannelette: Men's and youths'	doz.	138,041	3,779,301	
Boys'	44	38,594 169,853	599,632	
Children's	4.6	188,674	3,820,829 2,927,506	
Women's and misses' Other	**	29,456 4,782	552, 211	
Nylon: Women's and misses'	44		70,120	
Other	"	53,325 3,977 34,155	1,582,535 77,645	
Knitted, not specified Other Normators there and acceptain	4.6	24,040	911,346 631,222	
Pyrometers, thermocouples and accessories Pyrotechnics	_	-	1,449,504	
Quilted goods Racquets, tennis and badminton Radar equipment (see also "Radio communication equipment")	_	_	2,524,059 218,078	
Radiator and poller compounds	_	_	12,761,629 276,789	
Radiators and cores, automobile	_	_	6,473,952 4,264,557	
Radiators, heating, standing type	_	=	2, 270, 789 5, 660, 33 2	
Radio communication equipment	_	_	16,879,993 77,356,876	
Rail anchors	_	=	9,774,592	
Rails, iron or steel: Quantity made	ton	286,989	_	
Quantity shipped	_	286,419	31,636,649 16,959,693	
Rakes, hand	No.	282,484	514, 131	
Razor blades	4.6	203,867,723	4,793,289	

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1959 - Continued					
Items	Unit of measure	Quantity	Value of factory shipments		
			\$		
Recorders, wire or tape	- No	17,933,096	395,355 11,351,027		
Record players, electrically operated	No.	213,944	6,866,780 933,090		
Rectifiers for storage battery charging and parts Reels, wire, rope and hose	No.	125, 970	1, 284, 831		
Refractories: Cement, high temperature	ton	6,243	721,535		
Firebrick from domestic clay	No.	3,595,104	422,300		
Firebrick from imported clay		_	763,326 15,808,514		
Refrigerators and refrigerator equipment, n.e.s.: Household, mechanical, complete, (electric and gas)	No.	256,778	44,548,660		
Commercial, not specified			312,004		
Fixtures: Display cases, normal temperature	No.	2, 206	1,724,546		
Display cases, other	04	873 983	874,845 845,447		
Reach-ins, all sizes Walk-in coolers	6.6	923 758	569,551 1,118,114		
Refrigerator parts	_		2, 194, 147		
Regalia, n.e.s.	_	_	5, 180, 304 1, 894, 979		
Registers, cash	_	_	2,971,920		
Regulators, (temperature, flow and pressure and control valves)	-	pune	4, 366, 753		
Remedies, stock and poultry Repair gums and fabrics	lb.	601,659	4,342,690 682,720		
Repair kits	No.	865,803 4,033,439	340,518 1,167,272		
Repair patches, tire and tube		2,000,200			
Ribbons Rice, cleaned, etc.	_	-	3,127,337		
Rice, cleaned, etc. Rifles and shot guns (see "Firearms") Rings, fruit jar, rubber	_	min	1		
Rings, fitti jar, zinc Rockwool (see "Wool, mineral")	_	_	i		
Rockwool (see 'Wool, mineral') Rods, copper wire	_	_	1		
Rods, iron and steel wire: Quantity made	ton	202 106			
Quantity shipped	ton	382,106 380,132	46, 182, 505 1, 276, 212		
Roll covering, rubber	1b.	529,963	1,276,212 604,314		
Rollers, printers' Rolls, rubber covered	No.	391, 191	821,855 1,123,387		
Rolls, bending and straightening	-				
Roof drainage equipment	_	_	2,703,753 4,887,220		
Roofing and siding, aluminum, steel, etc. Roofing preparations, n.e.s.		_	4,887,220 13,482,212 1,152,644		
Rope:		100 015			
Jute and hemp	lb.	106,615 5,915,698	70, 405 2, 412, 338		
SisalAll other	- "	3,629,087	992,555 815,499		
Rubber, reclaimed, dispersions and other	-	←	1		
Rubber and rubber goods, hard	1b.	1,783,044			
Rubber goods, moulded Rubber goods, plumbers'		3,757,298	1,745,838 2,057,245 2,722,799		
Rubber goods, sanitary, n.e.s.	-	_	•		
Rubber goods, soft and sponge (including foamed latex)	lb.	9,969,530	12,987,261 5,409,437		
Rubber and rubber goods, n.e.s	_	_	1, 161, 177		
Rubber, thread	lb.	761,876 230,018,038	1,328,727 51,437,286 116,938		
Rubber, synthetic	No.	230,010,038	116,938		
Rules, plastic and wood	_	_	289,075		
Rust preventatives and removers	N/o	720	673,508		
Saddles	No.	120	76,442 41,616		
Safes, vaults and fittings	=	_	6,481,735 160,489		
Salt curing	_		20, 224, 407		
Sanders, woodworking	No.	937	97,897		
Sandstone (building)	lb.	3,703,772	148,346 1,142,160		
Sash, aluminum, brass, etc (included in "Windows, complete, aluminum and other")	400	-	24,691,573		
Sash, door and other mill work. Sauces, catsups and relishes (see "Tomato catsup", "Pickles, relishes, etc.")	-	-	79, 424, 970		
Saucage casings and relishes (see "Tomato catsup", "Pickles, relishes, etc.") Sausage casings Sausage (see "Meats cooked, including sausage")	-	_	8,816,929		
Sausage (see "Meats cooked, including sausage")	1				
Sawdust and waste, sold	-		910.512		
Sawdust and waste, sold	=	Ξ	910,512 511,090		
Sawdust and waste, sold	- - -	110, 492			

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
Constitution			3
Scarves School supplies, not specified School file anythment not specified	-	-	2,300,150
	_	_	66,460 2,950,838
Scrap, aluminum Scrap, brass, bronze and copper		_	1,872,797
	lb.	14,887,163	1,734,493
Screens, window	_	_	3,499,989 414,086
		-	1,278,896 24,189,793
	No.	171	
Scythes and snaths Seals		-	1
Searchlights, floodlights, etc. (see "Fixtures, lighting") Seasonings, dry and liquid		_	1,870,258
seed boxes for one-way discs, etc	No.	4 200	1,669,796
beed treatments and imigicides (see "Insecticides and fungicides")	140.	4,299	868,394
Shades, window, shade cloth and fittings: Ordinary shades and blinds Vanation blinds	doz.	101 510	
venetian binius, an kinus, including simps	-	181,512	2,718,724 4,730,122 3,656,326
Shades, proceased and stained (building nurnoses)			3,656,326
Snapers, metal-working	square	887,824	9,005,561
Sharpening stones and files Shavers, electric and parts	-	-	1
	_	_	1, 487, 136
Shearing machines, metal working Sheet forms, commercial, etc., printed (included in "Printed matter, other") SheetIng, cotton (included in "Cotton fabrics, broad woven") Sheets, crib	No.	227	143,845
Sheeting, cotton (included in "Cotton fabrics, broad woven")			
Sheets, crib	doz.	23,155	186,646
Sheets and pillow cases, cotton	_	-	8,617,002
Sheet metal building materials, n.e.s.	-	_	215,645 13,202,385
Sheets, aluminum Sheets and strips, silicon	_	_	1
Sheets, hoops, Strips, Skeip (Iron and Steel, folled and drawn) and tin high calvanized		_	
sheets, etc.	_	-	297,945,053
Shields, dress	doz. pr.	54,022	1, 184, 504 217, 397
Shims, railroad and other	-	-	163,042
Sningles, asbestos	M —	10,800	125,081
Shingles, wooden	square	1,594,596	1,159,217 14,764,707
Shipbuilding and repairs	_	-	224,964,506
Cotton	doz.	706,891	19,440,634
Not specified	**	100,913 40,328	3,639,023 1,493,883
Shirts for formal wear	**	2,970	111,314
Cotton	64	195,047	4 965 730
Wool and wool mixtures	**	15, 561	4,965,730 539,934
Shirts, sport, men's, youths' and boys' Shirts, T-Shirts	**	484,648 833,384	15,684,610 8,304,834
Shirts, sweat, jerseys, etc.	44	113,975	1,801,584
Shirts, not specified	_	59,446	710,433
Shock absorbers, automobile Shoddy, mungo and wool extract (see "Wool or part wool, reworked or reprocessed") Shoe materials, pyroxylin coated (included in "Fabrics, coated and impregnated") Shoe trimmings			
Shoe trimmings	_	_	537 002
silve uppers and tops	pr.	52,934	537,002 179,889 4,327,698
Shooks, boxShortening:	M ft. b.m.	37,612	4,327,698
Containing animal fat and marine oil	1b.	110,177,935	23,086,211
Wholly vegetable	ton	55,616,022 383,435	13, 421, 348
Shovels, hand	-	303, 433	16,827,487 332,364
Shovels, power	_	-	1
Signal systems (traffic, fire alarms, etc.)	_	_	3,874,961
Signs, electric: Neon and other luminous tube:			-,,
Shipments (sold outright)	_	_	5,515,618
Shipments (sold outright)		-	5,669,783
Shipments (sold outright)	_	_	2,631,437
" (leased or rented)	-	-	691,307
Signs, non-electric: Metal (sold outright)	_	_	5,678,868
Screen processed, other than metal (sold outright)	_	-	1,535,017
Other non-electric: Shipments (sold outright)	_	_	221 002
Silicon carbide, crude Silicon manganese, silico spiegel, etc. (included in "Ferro-alloys")	ton	86, 248	331,883 12,660,211
Silicon manganese, silico spiegel, etc. (included in "Ferro-alloys") Silk and synthetic fabrics, broadwoven:			
All silk and mixtures containing silk	yd.	287,093	351,826
All continuous filament synthetic varn:	**		
Rayon (see also "Knitted fabrics") Nylon (see also "Knitted fabrics")	**	44,775,020 6,166,226 3,728,082	23, 241, 397 4, 384, 469
	44	3.728.082	4, 384, 469 3, 302, 843
Terylene	44	1,896,969	1,587,697

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
ilk and synthetic fabrics, broadwoven—Concluded: All spun rayon	yd.	12, 110, 552	9,430,91
Mixtures of continuous filament rayon and spun rayon		6,878,066 5,394,099	6,530,294 4,301,193
Mixtures of continuous filament nylon and cotton		259,639	650, 13
Mixtures of spun rayon and cotton		789,017 8,632,564	731, 543 9, 714, 673
Other synthetic mixturesliver (remeited for resale, recovered from old silver and alloys)		-	2,412,48 2,137,30
ize		25, 064, 008 2, 181, 219	2, 137, 304 2, 876, 005
kates, roller		51,979	108, 17
cates, parts	M	49,085	120, 01 73, 32
Kis		-	95,66
kis, waterki poles and fittings		_	159,51 66,26
kins, calf	No.	723,643	3, 510, 04
kins, sheepkins, dressed (excluding raw)		_	2,086,86 2,032,29
kins, pickled	No.	401,232	378,88
tips and cages (mining and metallurgical)		-	381,09
Cotton	No.	2,010,277	6,074,71
Rayon		590,191 519,070	3,084,99 1,422,98
Rayon mixtures		2, 444, 727	13,045,69
Other		- !	199,97
abs and edgingseighs, baby	No.	357,532 10,117	1,411,40 226,02
eighs, children'seighs, horse-drawn, etc. (see also "Vehicles, farm sleighs, etc.")		151, 102	517,68
icers, meat and bread (included in "Food products machinery")		237	14, 22
ings, gun ippers (see also "Pootwear, felt"): Bables' Boys'		-	1
Babies'	pr.	253,042	414,76
Boys'		48.649	74,60
Children's, including little gents	*********	188, 493 710, 000	348,04 1,755,2
Misses'		125,403	270, 84
Women's and growing girls' Youths'	*********	1, 445, 312 31, 383	3,022,50 58,90
ippers, Indian:			
Babies' Boys'	14	22,548 98 066	22,75 133,25
Children's, including little gents		98,066 307,180 313,160 384,497	276,82
Men's		313,160	596,73 375,23
Women's and growing girls'		1,941,488	2,385,23
Youths'		39,701	46,18 3,394,8
nelter and refinery products*	–		1, 307, 996, 84
nocks, women's and misses'	doz.	2,974	117, 0 604, 2
noker sets and smokers supplies, n.e.s		-	503,57
nokestacks, steelow shoes		_	321,53 103,40
ow removal equipment		-	2,409,27
owmobiles and parts	-	-	317,70
Castile	lb.	378, 761	55,60
Household and laundry (bars)	44	14, 193, 077 14, 686, 277	2,672,63 2,616.53
Liquid, not specified		12,031,010	1,768,3
PowderSoft	**********	12,031,010 38,067,924 3,173,915	2,616,5 1,768,3 8,225,0 307,6
Textile and mill		323,963	56,40
Toilet (bars and liquid)		41,663,766 1,654,802	15,943,3 2,212,3
Hand soap and pastes, mechanics	64	2,401,274	400, 4
Not specified ap stock		5,787,291 10,005,006	874,64 206,98
dium azide			1
dium benzoatedium carbonate (sal soda and soda ash)		-	1
dium carboxymethyl cellulose (carboxel)		~	1
dium chloratedium cyanide		_	1
dium hydroxide (caustic soda)	ton	252, 280	14,557,7
dium hydrosulphidedium hypochlorite		_	1
dium metaphosphate		=	1
dium metasilicatedium phosphate, monosodium, disodium, tri-sodium and tetrasodium		_	1
dium pyrophosphate			1
dium silicatedium sulphite	-	-	1
odium thiosulphite			1
odium trypolyphosphate		11 700 150	5 151 00
older	lb.	11,700,152	5, 151, 00

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Soling, rubber: Rubber and composition soles (full and top)	pr.	6,860,183	2,369,864
Soles, tap and other, leather	lb.	13,814,081 3,546,295	4,435,926 2,093,351
Soup, canned (excluding infants' soups)		267, 196, 927	854,498
Soup mixes	75	-	47, 180, 551
Spark plugs	No.	12,644,466 947,820	10,425,950 2,102,985
apectacies, complete		34,110,290 142,165	10, 229, 449 1, 356, 394
Speed reducer units Spices, all kinds, including, "Mustard compound" Spikes, and kinds, including, "Mustard compound"	1b.	6,078,065	2,210,411 4,519,274
Spikes, other		73	2,096,356
Spinnings, metal, etc.			16, 341 2,522, 308 193, 261
From grain	m61	23, 112, 219	
From molasses and fruit	bre gare	1,212,852	14,234,418 677,986
Whiskey, Highland type Canadian rye type		102,679	889,991
whiskey, other types	66	13, 262,005	113,216,951
Gin	1 66 }	1,408,804 93,500	9,053,958 829,475
Other beverage spirits		803,640 389,068	829, 475 5, 738, 956 2, 949, 985
Spools, bobbins and shuttles		=	950,766
Sporting goods, not specified		-	1,440,298 1,804,959
Spraying and dusting machines and equipment including hand sprayers Springs, automobile, chassis		=	1,281,806
oprings, bed: Box			10,000,092
Cable	66	291, 176 77, 600	7, 409, 234 446, 613
Link Slat		57,504 254,789	864,104 2,170,660
Springs (upholstering and construction for automobiles and trucks)		84,646	765,074 8,313,932
Springs, upholstering, other Springs, for cars and locomotives	1 _ 1	-	4,500,623
Springs, n.e.s. Squares, sawn (spoolwood and other)		0.720	1,329,150 4,261,467
Stabilizers, ice cream, etc. Stains	lb.	9,720 159,477	1, 200, 517 67, 050
Stampings, metal, n.e.s.		306, 514	1,102,987 11,911,556
Stamps, postage, revenue, etc. Stamps, rubber		_	1,790,715 1,909,824
Stamps, not specified	keg	27,042	294, 974 318, 592
Starch, corn, laundry		=	1
Starch, wheat	_	3,983	496,055
Starch and flour, potato Starch, blended (included in "Starch and starch products") Starch and starch products	-	0,300	
Stationery goods, not specified Statues, art goods and church supplies			1, 293, 611 1, 980, 747
Staves, barrel	M	11,252	1,672,824 954,756
Steam	–	2,087,549	1,473,375 1,649,206
Stearine Steel erected (structural work):		484,450	45,670
Bridges	" " "	77, 435 347, 486	43,421,510 119,311,312 4,904,703
Transmission towers	44	15, 161 26, 435	4,904,703 10,390,884
Steel shapes, structural (angles, channels, tees, etc.): Quantity made	44	268, 573	20,000,001
Quantity shipped	44	265, 194	34,528,656
Quantity made	44	5,799,356	
Quantity shippedsteel, miscellaneous	–	201, 244	15,083,290 24,292,619
steel woolstellite	_	Ξ	1 1
Stockinette (see "Knitted fabrics")	-	-	1
Stokers, mechanical Stoker parts	No.	1,620	1,134,468 530,722
tone, artificial Store fixtures, n.e.s.		-	8,042,603
Stoves, heating and cooking (see also "Ovens"):		40.057	197,671
Coal, wood and sawdust Solid fuel or oil with electric or gas combination		48,057 14,495	2,246,287 3,497,337
Electric stoves or ranges, all styles	10-27-2	246,532 20,312	35,910,450 834,535

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
toves, heating and cooking (see also "Ovens") - Concluded: Gasoline, fuel oil, or kerosene stoves or ranges, (cooking)	No.	123,742	2,396,9
Gasoline, fuel oil or kerosene stoves or space-heaters (heating)	11	50,184	2,757,8
Gas stoves (heating)	64	17,474 36,527	968, 28 5, 080, 23
Gas stoves and ranges (cooking)	0.0	9,265	80,0
Other stoves and parts including cafeteria, restaurant, etc.	-	- 1	3,744,2
tove pipes (see "Pipes and elbows, stove")	doz.	81,887	333,70
rays, drinking	M	771,532	470,7
raws, drinking			349,9
treptomycin preparations	_	***	1
ugar butter	lb.	4,954,713	1,117,7
igar granulated; Beet	41	293,617,999	21,945,6
Cane	44	1, 126, 097, 165 135, 525, 383	79, 349, 2
igar, brown or yellow	66	135,525,383 79,760,594	9,946,1 6,627,5
ngar, icing (starch added)	_	18,100,331	1
igar. loaf	44	12,894,838	1,354,7
	_	_	1
gar (nulverized (no starch added) its (see also "Clothing, suits, sport"):	-		
Boys':	N	100 104	005 7
Rayon	No.	102, 134	995,7
Rayon and wool, chiefly wool	No.	79,144	898,3 146,9
Wool	. 44	9,667 2,312	146,9 35,2
Other		2,312	
Cotton		00 550	1 004 4
Rayon and mixtures	No.	36,578 33,254	204,4 253.3
Playsuits and wash suits, n.s.	doz.	211,340	253,3 3,102,0
Other	No.	960	4,8
Men's and youths': Rayon	4.6	183,822 66,670	3,592,3 1,414,7
Rayon and wool, chiefly rayon	40	66,670	1,414,7
Rayon and wool, chiefly wool	66	92,064 1,305,757	2,185,3 49,382,1
Not specified	**	27,178	637,5
Women's and misses':	44	48,856	309,4
Cotton	8.6	52,832	718,6
Wool and partly wool	66	464,791	12,804,0
Not specified		49,711	694,9
nts and diesses, women's and children's, kintled (see Diesses, woor, kintled)			
Men's and youths':		6,361	301,
Military	44	209,015	7,772,
Iphonamide (sulpha) preparations	-	170 050	2,541,
ılphur	ton	172, 250	3, 443,
perheaters		-	1
perphosphate milled, screened and bagged	ton	15,875	619,
perphosphate, other (included in "Fertilizers, other than mixed") legical and orthopaedic appliances and surgical dressings:			
Surgical bandages and dressings	-	_	5,788,
Surgical belts			293,
Orthopaedic boots	pr.	300	11,
Artificial limbs	No.	1,294	384, 610,
Foot easers, arch supports, knee caps, etc.	No.	35,053	154,
Other surgical supports	-		908,
spenders, supporters and garterswathers	doz.	507,857 5,147	1,200, 4,788,
weaters, cardigans, pullovers, etc.	doz.	1,513,850	48, 918,
weepers for roads and streets	_	-	1,035,
weeping compoundswitch gear and protective equipment (except telephone switch-boards)	_	óm.	57,394,
nthetics and plastics products, n.e.s. (see also "Laminates, plastic, etc.")	-	14 544	20, 260, 114,
yringes, fountain and attachments	doz.	14, 544	2, 121,
yrup, beverageyrup, corn	_	-	
yrup, fountain, fruit, etc		-	1,154, 981,
yrup, tableyrups from cane, not including molasses	_	_	1
yrups for soft drinks (for sale)		5,656,593	10,558,
yrup making equipment (maple)	_	_	475, 32,
yrups, other		_	170,
able cloths, plastic, rubber, etc		79,214	504,
ableware, plastic	=	_	4,614, 864,
		_	815,
Tacks, cut, wire			25, 261,

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
Tolland quanties			S
Callors' supplies, n.e.s.	lb.	204,004,087	2, 965, 243 13, 391, 882
ankage, animar (law and processed)	***	100, 223, 910	3,762,646
anks, steer, storage, brack, garvanized, etc.	-	=	19,240,550
anks, pressure, n.e.s.	_	_	4,061,89
	-		741,573 756,81
anks, other, not specified			7, 225, 79
ape, paper, guillined	-	600	5, 248, 98
ape, rupper and iriction	lb.	3,057,508	5,248,98 10,157,68 1,997,88 700,78
ape, telegraph and tickerapes, fabric	_	-	700, 78
apes, measuring	-	_	1,813,55
apestries and other upholstering fabrics	_	_	8, 521, 14
ar, coal, crude	gal.	41, 181, 423	5, 452, 93
argets, aerial, etc	_	2,539,963	614, 062 303, 487
ea, blended, etcelecommunication equipment, n.e.s.	1b.	42,072,474	47,669,86
elephone material	_	_	7,802,74° 78,116,383
elevision receiving sets and equipmentelevision picture tubes	No.	589,685	66, 149, 426
ennis, table, equipment, n.e.s.		503,003	11,744,886 123,380
entsextile and leather finishes	_	_	3,375,934 3,856,863
hermometers, all kinds	No.	456,142	1,331,649
ninners, pyroxylin	gal.	2,842,577	4, 110, 885
hioureahread, cotton	lb.	5,461,422	1
hread, rayon, silk, etc. hreshers (combine reaper-threshers and attachments)	_	-	10, 532, 535 3, 553, 163
nresners (stationary)	No.	20, 937	51, 268, 661 308, 095
ies, wooden	- A	-	7,588,748
	M sq. ft.	32, 921 17, 096	3,328,841 2,028,272
ile, gypsum	-	-	1
me, mnoreum	-		1
ile, plastic, all kindsile, vinyl asbestos, floor	sq. ft.	11, 915, 102 54, 743, 000	3,551,696 10,718,915
lie from domestic clay:			
Drain	M sq. ft.	55, 478 186, 118	3,363,505 84,075
ile from imported clay: Wall			
ile, rubber	6.6	6,337,411 6,645,997	3,174,943 2,034,125
lle, hollow blocks including fire-proofing and load-bearing tile	ton	176,585	3,475,791 1,927,66
ile board, enameiled	-		1
in and tin alloysin plate (included with "Sheets, strips, etc.")	lb.	398, 182	375,309
Inned plate scrapinware, japanned or not	ton	34,657	732,888
ire braids, auto	-	_	2, 271, 422
ire fabrics	lb.	29,043,808	27, 174, 826
Tires, pneumatic (including tubeless):	DY-	F 505 004	07 104 004
Passenger carTruck and bus	No.	7,535,934 1,041,554	97, 134, 834 63, 516, 146
Aeroplane Tractor and implement	_	_	1
Bicycle, motorcycle, industrial, etc., n.e.s.	No.	418,026	810,057
Tires, solid and cushion	lb.	38,024 1,114,773	308,331 220,467
Tubes, passenger car, trucks, etc.:			
Passenger car Truck and bus	No.	3,262,849 785,959	5,534,445 3,571,124
Aeroplane	_	-	1
Motorcycle, bicycle, etc.	-	_	1
res, railway carssues, cleansing, paper	lb.	64, 240, 952	1 16,043,448
pasters, electric	No.	302, 177	3,003,863
Chewing, twist	_	_	1
Chewing, plug	lb.	981, 566 39, 686	2,404,169
Smoking, leaf Smoking, cut	41	21,926,594	23,811 58,298,770
Smoking, plug Snuff	_	_	1
Obacco, raw leaf, processed*	lb.	177, 145, 084	112, 203, 324
obacco curing equipment	No.	35,676	12,698

 $^{^{\}rm 1}$ Indicates that the commodity was reported by one or two concerns. $^{\rm 2}$ Includes excise duties and sales tax.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
oboggans	No.	114, 235	509,69
bilet preparations: Bath salts and bath oils	_	_	1,688,73
Creams solid or liquid, all kinds	-	-	5,226,60
Home permanent wave kits	-	_	2,912,22 3,994,01
Rouge and lipsticks	=	_	6.024.36
Bay rum hair tonics, brilliantine liquid, etc.	-	-	9,310,64 6,508,13 1,785,30
Toilet water and lotions	_		1, 785, 3
Shaving preparations All other, n.e.s.	_	_	9,816,5
nilet seats	No.	445,427	1,830,0 213,3
oiletware, sterling silver	_	_	184,5
cluene and toluol*	-	-	1,275,0
omato catsup	lb.	39,508,411	8,741,4
omato juice	44	166, 947, 313 4, 341, 736	13,392,9 453,9
pols, automotive (hand and power driven)	-	_	2,219,5
cole hand nes (nower-driven)	-	_	2,720,0 5,123,0
ools, carpenters and mechanics, other than portable pneumatic and electric tools	_	_	2,093,1
nols small cutting	-	-	5,150,4
ools n.e.s.	-	-	2,358,8
oothpicks			1,764,9
owelling (included in "Cotton fabrics, broad woven")			
owels, all kinds	-	-	6,168,3 5,044,2
owels, paper	_	_	0,011,2
Metal	_	-	1,716,9
Plastic, including wading pools	-	_	8,962,4 124,8
Rubber Wooden	_	_	627, 2
Miscellaneous, including model aeroplanes	-	-	5, 258, 1
rack holts			i
rack, spikes	_	-	17, 432, 5
rade work, n.e.s. (printing plant)	-	-	14, 999, 0
Boat	-	***	1,309,5 10,416,4
Cabin or house type			25,749,3
I ogging	-	-	200, 5
Not specified	_	_	564,6 2,385,6
ransfers, paper, decarcomaina	-	-	1
ransformers	_	-	65,460,1 1,507,9
ransformer parts	_	_	1,007,
ransplanters			
raps and fittings	-	-	765,
raps, animal	_		43,
rays, food	_	-	1,423,
'rays, other	-	_	506,
richlorethylene, refined			1,139,
rophies	_	-	1,123,
'rucks, factory, etc. including industrial	- 1		4,007, 141,
Yucks, farm		Ξ.	456,
runks, all kinds	_	_	1,521,
ubes, collapsible	-	_	3, 187, 442,
Tubes, mailing	No.	15,342	1,453.
ubing and pipe, brass, bronze and aluminum	_	an .	7,662,
ubing, plastic	lb.	403,388	2,329, 346,
ubing, rubber ubing, steel	ton	1,796	908.
ubing and wristing, knitted, including that for further processing	_	-	2,020,
Tubs, laundry, cement Tubs, laundry, plastic	No.	65,743	736,
Turbines and water wheels	_	_	17,742,
Turpentine	gal.	725,646	256,
'wine and cordage:	lb.	44,922,997	6. 194.
Baler twine, all sisal	**	14,587,945	1,948,
Other twine, all sisal	**	4,584,842	1,050,
Other twine, all hemp and all flax	"	129,550 2,780,739	100, 785,
Other twine, all jute	_	2, 100, 139	4.933.
Cype and type metal	lb.	11, 140, 810	2,959, 8,996,
	_	_	8,996,
Typesetting (trade composition)	No	79 001	10 754
Typesetting (trade composition) Typewriters and other machine ribbons	No.	73, 921	10,754, 2,042,

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure		Quantity	Value of factory shipments
Underwear, knitted, or of knitted fabrics: Men's and youths':				\$
Combinations:				
Cotton or chiefly cotton	doz.		178,072	4,460,221
woot of chiefly woot	66	1		
Other		15	22,341	1, 124, 166
Cotton or chiefly cotton	4.6		545,730	3,996,929
wood or chiefly wood	88	1		
OtherDrawers;		15	14,751	368, 977
Cotton or chiefly cotton	4.4		223,631	2,795,169
Wool or chiefly wool	44	1	8,060	251,757
Shorts:		12	0,000	201, 101
Cotton or chiefly cotton	**	1	7790 440	4 500 000
OtherBoys':		}	739,440	4,560,383
Combinations:				
Cotton or chiefly cotton	**	13	47 141	750 001
Wool or chiefly wool		}	47,141	750,921
Cotton or chiefly cotton	**	1		
OtherDrawers;		}	131,473	647,055
Cotton or chiefly cotton				
Not specified	**	1}	99, 929	681, 238
Shorts:		Ľ		
Cotton or chiefly cotton	44	}	229,774	911,608
women's and misses':		1		,
Combinations:				
All kinds Drawers;	.,		138	3, 905
All kinds	**	ĺ	2,034	21,370
Broomers, panties, etc.	.,			
Cotton or chiefly cotton	**		264,307	1,323,911
Rayon or chiefly rayon	66		166,756 1,183,073	1,366,532 4,707,840
Not specified	**	1	18,752	285, 280
Cotton or chiefly cotton	0.0		74,838	499, 202
OtherGirls:	4.4		11,966	123,058
Bloomers, pantles, etc:				
Cotton or chiefly cotton	44		95,977	350, 116
Nylon or chiefly hylon	**	1		
Rayon or chiefly rayon	**	}	19,090	95,648
Vests;		1		
Cotton or chiefly cotton Not specified	66		49, 229	217,588
Children's and infants':			426	4, 336
Combinations:	6.6			
All kinds	**		15, 285	189,611
Cotton or chiefly cotton	**		480,598	1,204,656
Nylon or chiefly nylon	44		8,989	48,034
Rayon or chiefly rayon Not specified	**	}	309,567 7,505	48,034 951,929 48,050
Vests:			1,505	40,000
Cotton or chiefly cotton	44		276,552	1,083,598
Not specified			49,697	202,391
Men's and youths':				
Shorts:	11		100 100	
CottonOther	44		136,109	1,269,139 351,938
Women's and misses':			10,010	501, 500
Bloomers, panties, etc: Cotton or chiefly cotton	44		205	4 040
Other	44		138,567	4,046 635,033
Children's:			,	000,000
Bloomers, panties, etc.: Rayon or chiefly rayon	**		60,730	180, 260
Other	6.6		12, 185	56,540
Underwear, not specified:	- 11			·
Children's	6.6		38, 197 99, 748	152,789 310,724
Men's and boys'	44		61,871	196,414
Women's	44		126,705	539,840
Underslips:			38,626	758,896
Rayon and rayon mixture	44		238,231	3,423,431 3,699,256
Cotton	44		247,895 408,924	3,699,256
Not specified	64		75,308	8,991,314 1,720,027
Uniforms, (nurses, maids, etc.)	-		-	3,668,631
Uniforms, military (see "Jackets", "Pants" and "Suits") Uniforms, other (see also "Pants, uniform" and "Suits, uniform")	_			383,568
				000,000

¹ Indicates that the commodity was reported by one or two concerns.

Items	Unit of measure	Quantity	Value of factory shipments
			\$
pholstering materials, cotton tufts (see also "Tapestries")	_	_	1
alves, control (included in "Regulators, temperature, etc.")	-	-	6, 337, 85
alves, control (included in "Regulators, temperature, etc.") alves, corporation, brass		-	1,995,88
alves iron		-	7,885,943
alves steel	***		7,831,00
alves, tire	_	-	2,366,179 10,850,170
arnishes	-	11 570	10,850,170 677,790
aults, burial, cement and other	No.	11,573	011,190
egetables canned: Asparagus	1b.	4,671,047	1,501,42
Reans baked	44	108, 333, 118 49, 886, 224	14,036,11 5,848,87
Beans, green or wax Beans, kidney	66	4,095,029	446,60
Reans lima	66	1,954,734	294,71
Beets	66	8,691,073	946, 33 446, 83
Carrots	44	5,168,898 6,245,081	941,70
Corn cream of whole grain, etc.	44	6, 245, 081 88, 911, 999	11,741,37
Mushrooms	66	4,928,937 93,321,238	2,446,05 11,815,44
Peas Potatoes	44	3,528,441	369,30
Pumpkin and squash	4.6	7,311,005	605,87
Sauerkraut	_	_	1
Spinach Tomatoes	lb.	74,978,543	7,886,53 1,071,34
Vegetables, mixed	46	8,262,596	1,071,34
Vegetables, other	<u> </u>	8,960,220	1, 119, 81
Vegetables, evaporated and dehydrated	1b.	917,360	85,45
Vegetables, frozen of cold pack	**	48,670,656	8, 221, 20
Vegetables, not specified			376,49
Vegetable peelers and slicers	No.	333	131,36
Pehicles children's:	44	209, 367	1,758,13
Tricycles		83,734	710,05
Other	_	-	246,59
Vehicles, track	_		56,65
Veils and veiling	M. sq. ft.	1,283,754	27, 290, 84
Veneer logs	M ft. b.m.	4,350	590, 01
Ventilators Vestments Vestments	_	_	4,713,08 806.83
Vestments	No.	21,730	806, 83 177, 61
Jests. other. (outerwear)		401,940	26,6
Vinegar made for own use	gal.	401, 340	
Spirit	4.6	8, 336, 487	3,869,09
Cider	44	673,192 289,772	423, 1' 207, 5'
MaltVinyl chloride monomer	_	205,112	1
Jinyl acetate	-	-	1
Vitamin preparations	No.	60,059	20, 834, 3 515, 1
Waffle irons	No.	00,000	010, 1
Wall board, asbestos cement)			
Wall board, gypsum see "Building boards"			
Wall board, paper Wall covering, other than tile	sq. ft.	765,959	168,3 6,967,1 1,096,1
Wall plaster gypsum	ton	300, 793	6,967,1
Wall plaster, other Wardrobes, wall board	No.	5,841 25,660	207, 4
Wash boards	-	_	1
Washers leather	doz.	2, 164, 587	218,9 1,880,0
Washers, metal, etc.		-	2,870,1
Waste, cotton and wool	ton	17,009	2,900,0
Waste wood	-		373, 1 5, 677, 1
Waste, other, not specified	No.	1,217,623	10,465,9
Watch cases, watch bracelets, etc.	_	-	1,240,2
Water, distilled	gal	637, 262	35, 4 148, 1
Water, mineral, natural	- Rure	031, 202	263, 2
Waterproofing preparations Wax, floor (see "Polishes and waxes")	-	-	288, 2
Wax, floor (see "Polishes and waxes")			5,633,3
Wax and wax compounds, all kinds		-	1
Waxers and wax appliers	-	-	98, 2 3, 627, 1
Weatherstrip	_	_	3,627,1
Weaving, custom		_	1,744,2 3,062,2
Webbing, other	-	2 000	637,8
Weeders	No.	2,836	683,4 3,625,4
Welding apparatus, arc	-	_	3,767,7
Welding apparatus, gas and other		_	1,543,3

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1959 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Welding electrodes	ton	21,777	8,459,932
Wheelbarrows and parts	-	=	1,239,130 989,095
wheels, railway car			7,332,729
Whey condensed, etc	-	-	1
Whisks	doz.	32,565	131, 188 42, 309, 270
Window sash, aluminum, etc		_	2,048,985
wine sold during the year	gal.	6,519,347	16,864,131
Wine produced and placed in storage for maturing	_	7,033,431	4,377,640
Wiping cloths and rags, washed and sterilized	lb.	12, 832, 383	3, 209, 494 2, 449, 354
Wire, gold filled and alloys	-		354, 980
Barbed:			
Quantity made	ton	3,755 3,393	632,162
Cold rolled flat, all sizes: Quantity shipped	4.6	3,003	1,087,775
Galvanized: Quantity made	40		1,001,110
Quantity shipped	4.6	62,269 31,269	7,587,034
Quantity made	**	360,874	_
Quantity shipped	"	138,988	26, 365, 094
Quantity shipped	**	7,011	2,584,852
Quantity shipped	-	ann.	1,995,309
Wire and cable, electrical	=	=	150, 573, 693 17, 722, 300
Wire cloth, all metals, including screen cloth	ton	44,979	17,722,300 14,678,215 9,423,594
Wire netting	_	-	1
Wiring devices, n.e.s		_	12,034,148 12,666,931
Wooden products, n.e.s	ton	14,700	4,918,755 336,051
Wood fuel	cds.	4,913	31,596 307,605
Woodenware, not specified	-	-	901,941
Wood preservatives	_	=	851,736
Wood turning, n.s. Woodwork, sanitary		_	3,390,986
Woodwork, n.e.s	_	_	373, 252 12, 627, 852
Wool, mineral, (building) Wool, mineral, (industrial) Wool pulled	15	1 044 025	5, 807, 108
Wool tops	1b.	1,644,635	1,016,587 25,637
Wool noils	lb.	10,908,898	2,121,621
Woollen cloth, woven: Suitings, dress goods, overcoatings, etc:			
All wool, woollen	sq. yd.	11,907,454	15, 231, 910
All wool, worsted	46	9,537,153 367,610 298,025	17,663,423 621,991
Cotton warp, woollen and worsted		298,025	434, 015 8, 623, 771
Woven terry goods (fabric)		=	24,002 2,461,787
Other woven fabrics, wool or not containing wool			
Wrappers, printed	_	_	2,891,908 5,586,768
Wringers, clothes	=		1
XylolYarns, spun for sale:	-	-	1,002,961
Cotton:	Th.	16 050 202	19 007 097
Grey, knitting	lb.	16,959,293 9,078,137	12,807,827 5,030,137
Grey, other, plied	1 "	11,450,528 586,256	7,895,855 619,313
Bleached, other Coloured, knitting	3		
Coloured, other	} ".	3,385,895	3,049,631
Other, including mercerized		5,342,469	3,906,014
Grey Bleached and coloured	} "	76, 144	92,484
Rayon and nylon thrown Rubber covered (included in "Yarns, not specified")	**	2,729,078	8, 189, 548
Synthetic singles Spun rayon and mixtures	ee ee	64,738,257 10,006,524	73, 218, 246 7, 458, 396
	64	5, 886, 962	11,335,012

¹ Indicates that the commodity was reported by one or two concerns.

Alphabetical List of Commodities, 1959 - Concluded

Items	Unit of measure	Quantity	Value of factory shipments
			\$
arms, spun for sale—Concluded:			
Woollen: Hand knitting	lb.	347,751 2,805,015 134,725	710,50
Machine knitting	**	2,805,015	4,706,66 164,74
Weaving Carpet	44	3, 129, 568	3,014,30
Woollen and woollen mixtures	4.4	936, 994	1,857,0
Worsted, oil spun:		4	4 000 14
Hand knitting	68	1,525,538 4,323,666	4,886,19 9,453,2
Machine knitting Weaving	44	72,607	149,2
Carpet	44	946	2,6
Worsted, dry spun:	**	1 050 070	4 200 0
Knitting		1,853,076	4,298,8 1,913,1
rns, not specified	_	_	1,020,2
past, dry, bakers'			1
ast. fresh (for sale)	-	1 222 721	1
ast made for own itse in breweries	lb.	1,332,721 8,086,980	991,4
ask food, bread improver, etc.	lb. gal.	124,938	336,9
no softnod gine alloys etc	_	400	1,668,5
nc chloride	-	-	1
nc naphthenate	_		1
nc oxide and zinc dust	_		
unufactured food products, packaged only	1b.	14,090,250	3, 171, 4
nount received by clothing contractors		-	22,842,7
mount received for mental of signs	-	_	22,842,7 13,875,7 3,357,2
ter-company transfers	_	~	0,001,2
l other products, not specified: Foods and beverages	-	-	18,887,4
Tobacco and tobacco products		-	32, 1
Dubber products		_	1,144,3 2,605,1
Textiles	_	-	6,813,4
Knitting mills	_	-	947,
Clothing	-	-	3,331,
Wood products	_		7,641,6 3,219,
Paper products Printing, publishing and allied industries			4,330,
Iron and steel products	_	_	163, 915,
Transportation equipment	_	-	167,530,
Non-ferrous metal products	-	_	24,882, 36,191,
Electrical apparatus and supplies			12,606,
Non-metallic mineral products	_		3,667,
Chemicals and allied products	-	_	81,833,
Miscellaneous manufacturing industries	_	_	2,928,
ustom work and repairs: Foods and beverages			13, 174,
Tobacco and tobacco products	-	_	
Rubber products	-		637, 873,
Leather products	_	_	7,363,
Textiles Knitting mills	_	-	41.
Clothing			3,566, 22,868,
Wood products	-	-	22,868, 3,680,
Paper products			3,000,
Printing, publishing and allied industries		_	95,325,
Transportation equipment	-	-	95,325, 120,256,
Non-ferrous metal products	-	-	4,400,
Electrical apparatus and supplies	_	-	5,910, 798.
Non-metallic mineral products		_	798, 291,
Chemicals and allied products	_	-	1.244.
Miscallaneous manufacturing industries	-	-	18,698,
Products which were reported by only one or two firms and for which figures cannot be shown separately (these products are indicated by reference mark!)		_	852, 636,
Total value of items listed	_	_	24, 006, 034,
			694, 432,
djustments due to valuation of intermediate products, excise taxes, etc			
Total	_	_	23,311,601,

¹ Indicates that the commodity was reported by one or two concerns.

APPENDIX III

DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

ANNUAL CENSUS OF INDUSTRY

RETURN ONE COMPLETED COPY AND KEEP ONE COPY FOR YOUR FILES.

Please correct any mistakes in name or address.

GENERAL SCHEDULE

1959

The Census of Industry is authorized by the Statistics Act, Chap. 257, Revised Statutes of Canada, 1952, which makes the filing of returns by every manufacturer compulsory. Twenty-one doys are allowed for the completion and submission of the report. Completed reports and correspondence concerning their completion should be addressed to the

INDUSTRY AND MERCHANDISING DIVISION

DOMINION BUREAU OF STATISTICS

OTTAWA

The report is Confidential and cannot be used for purposes of taxation, investigation or regulation without your permission.

If this establishment did not operate at all during the year, was closed down for part of the year, or changed ownership, please refer to General Instruction 2.

Industry totals compiled from manufacturers' reports will be published in industry bulletins as soon as possible after all reports are received. Your co-operation in returning your report(s) promptly will expedite the publication of this information.

GENERAL INSTRUCTIONS

- (1) A separate report must be prepared for each manufacturing establishment operated by a firm.
- (2) A report should cover a full year's operations, except when the establishment was operated for less than a year. A part-year report is required of an owner who went out of business during the year, either through closing down or sale. A purchaser should report from the date of purchase to the end of the calendar year. If no operations at all were carried on during the year, kindly check here and return the form immediately.
- (3) All manufacturing, processing and assembling operations at this plant should be included, unless reported in other Census of Industry returns.
- (4) This report should cover your manufacturing plant only, except where shipments are made of goods held on plant account from a warehouse or selling outlet in physical conjunction or close proximity to the plant (same town or city). In such a case include the shipments, employment and inventory of warehouse or selling outlet. Exclude these items for all other warehouses or sales outlets.
- (5) A Head or Executive Office should be reported as a part of this establishment provided it has the same address or is located in the same city or in the same municipality. If there are two or more establishments in this city or municipality, the head office employees and their earnings are to be included with one of them only. If these establishments are engaged in different industries, the head office employees should be included with the industry representing the major activity of your firm. A head office or executive office not so located is required to file a separate report for employment and payroll at such offices.
- (6) Check for completeness, accuracy and consistency. Your report will be reviewed for completeness and accuracy, and in order to avoid future correspondence, it is suggested that you (1) look for omissions, (2) check for reasonableness of average salaries, average wages, ratios of value of factory shipments to material costs, payroll, etc., and (3) compare total cost of materials, payroll, fuel and electricity with value of factory shipments for reasonableness. In most cases a reasonable margin for overhead and profit should be indicated.

	The Editor of the Editor of
٦.	ACTUAL PHYSICAL LOCATION OF THIS ESTABLISHMENT: (If same as above mailing address check here, Otherwise complete.)
	Street and number
	City, town or village
	County or Census Division
	Province
	If this establishment is not within the actual legal boundaties of the city, town or village given above, kindly give below an indication of its location, such as parish or township in the East, division or town- ship, range, meridian in the West.
2.	NATURE OF TRADE OR BUSINESS: (describe briefly)
3.	TYPE OF ORGANIZATION: (check one)
	Individual Incorporated Company
	Partnership Incorporated Co-operative
	Unincorporated Co-operative
J.	CHANGE OF OWNERSHIP OR STATUS: (Complete a, b or c, if applicable). See also General Instruction 2
	(a) Sold by you (date)
	To
	(b) Purchased by you on
	From
_	(c) Went out of business on
	HEAD OR EXECUTIVE OFFICE: (see General Instruction 5)
	Does this establishment have a
	Separate head office? Yes No
	Separate administrative office? Yes No
	BUSINESS YEAR OF THIS ESTABLISHMENT:
_	From To
O	hereby certify that the information given in this report is substantially aplete and correct to the best of my knowledge and belief.
ig	nature of person naking this report
fi	icial position
	siness address
	riod covered y this report From

Date of this report

ng rom			
. INVENTORY:		INVENTORY F	
Note: If a schedule, including all items requested in Questions A and B belonger to the schedule, including all items requested in Questions A and B belonger to the schedule of the schedule	ow, COVERING		Closing
Inventory Survey for the month in which your fiscal year ended, only (be completed.	Question C need	Opening \$	\$
A. MANUFACTURING INVENTORY (a) Book value of all manufacturing inventory owned and held at this plant tories at any warehouse or selling outlet which have been included we tions for purposes of reporting shipments. See General Instruction 4, p	. Include inven- vith plant opera- age I.		
(1) RAW MATERIALS AND SUPPLIES			
(2) GOODS IN PROCESS			
(3) FINISHED GOODS of own manufacture			
(4) TOTAL MANUFACTURING INVENTORY AT PLANT			
(b) Book value of other manufacturing inventory owned but not held at the warehouse: (1) RAW MATERIALS AND SUPPLIES in transit in Canada, held by held in own or rented warehouses. (Do not include raw material; abroad which have not yet cleared customs)	contractors, or		
(2) FINISHED GOODS of own manufacture in transit or on consignution clude finished goods in transit destined for export and for various Canada, Export Entry" has been prepared)	ment. (Do not in- which Form B13		
B. GOODS PURCHASED FOR RE-SALE Book value of all goods purchased for re-sale without further processin and held at plant or plant warehouse, in transit in Canada, or out on cons	ng, owned by you ignment		
C. OTHER INVENTORY Do you own any inventory not defined above, i.e. in storage or distribut sale outlets in Canada (including wholesale companies with separate by you)?	legal incorporation	1 DIM OWHER OF CONTROLLER	Yes N
UNFILLED ORDERS:			\$
1 Do you normally have a backlog of unfilled orders at the	ate amount of such	backlog at Dec. 31, 1959	
work already done on them, and of stock from which they can be filled) apart from amounts due to normal shipping 3. Of above	, state amount, if	ate NIL, if applicable)	
Yes No	itilients	***************************************	
MATERIALS AND SUPPLIES USED: Give the quantity and laid-down valueduring the year, whether purchased from others or received as transfers: CHASED. Show also amounts paid to other manufacturers for work done on mother items chargeable to capital account. Do not include FUEL which is to leeived as transfers from other plants of your company for re-sale without fur F below. Materials and Supplies Used	Unit of	Quantity	Total Cost at Plan
(List main items below)	Measure	Quantity	(Omit cents)
A, Materials			
1			
2			
3			
5			
6			
7			
8			
9,			
10.			
11. All other materials, including chemicals and other agents which while not necessarily considered to be materials proper, must be directly associated with the materials at some stage of processing. (specify large items)			
B. Containers and Other Packaging Materials or Supplies			
C. Operating Supplies, Maintenance Supplies and Repair Supplies, not intitens of equipment, used in the operation, maintenance and repair of Capital Account, Do not duplicate items entered elsewhere above).	machinery and bu	Hdings, not charkeapte to	
D. Amount Paid Out to Others for Work Done on Materials Owned by This Pl			
TOTAL			
SUPPLEMENTARY E. OFFICE SUPPLIES - Give the cost of OFFICE SUPPLIES USED during Exclude cost of stamps and meter expenses	the year, not charg	geable to Capital Account.	

4-A. FACTORY SHIPMENTS OF GOODS OF OWN MANUFACTURE: Include goods manufactured from own materials, either at this plant, or by other manufacturers on the basis of a charge to this plant for work done. Give the quantity, when required, and the selling value at the plant, mill, factory, etc., of ALL PRODUCTS or BY-PRODUCTS of own manufacture shipped during the year from this plant as defined in General Instruction 4. Include all shipments (domestic, export or to government departments), as well as the value of containers when not returnable. Transfer shipments to sales outlets, distributing warehouses, or to other manufacturing units of your own firm must be included, and should be valued according to the most appropriate of the following methods: (a) value for purpose of sales tax, (b) value an independent wholesaler would be charged, and (c) book value. Goods bought or received as transfers and resold without further processing are to be reported in Section B below.) Do not include sales tox or exciseduties. For work done on motoriols owned by others, show only amount received in payment. NOTE FOR MULTIPLE UNIT FIRMS ONLY: Each plant is to be treated as an independent unit and, therefore, as having ownership of the materials used in the manufacturing or processing operations of the plant.

PRODUCTS SHIPPED PRODUCTS SHIPPED (All products manufactured in this plant from materials owned by you which are not listed below, and which have not been included in another Census of Industry report made by your company, should be detailed in the space provided under "All other products".)	Unit of Measure	Quantity shipped	Value of shipments f.o.b. plant Do not include soles tax or excise duties (Omit cents)
			\$
1.			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13,			
14			
15. All other products (specify large items)			
·····			
16. Amount received in payment for work done on materials owned by other	ers		
17. Total value of shipments and work done			
B. FACTORY SHIPMENTS OF GOODS NOT OF OWN MANUFACTURE: R in General Instruction 4 (less sales or other excise taxes, discounts, ret OF PURCHASED PRODUCTS OR OF PRODUCTS TRANSFERRED FR OR MATERIALS RESOLD WITHOUT FURTHER PROCESSING AT THIS and products reported in Section 3F	urns, and allowance COM OTHER PLAN S PLANT, if any. Th	s) OF ALL SHIPMENTS TS OF YOUR COMPANY his refers to the materials	
C. If you were unable to comply in any respect with the instructions containe you have not given the quantity and value figures at the plant level, state indicate the kind of transfers omitted.	d in Section 4-A, kind briefly the level at	ily state the nature of depa which reported; and (b) if tra	rture. Particularly, (a) if ansfers are not included
•			
If transfer shipments are included in Section 4-A, please state method of			
1. Transfer of products for further manufacturing			
2. Transfer of products for sale as such			
2. Hansier of products for safe as such			
D. Does this establishment engage in any commission-merchant activity, i.e.,	buy or sell product	s or materials for another's	account on commission?

Yes

□ No

ANALYSIS OF PAYROLL OF THIS ESTABLISHMENT	Salaries, was commission paid dur calendar 1959	s, etc. ing year	Al and A	2 only; the av	r employed for items erages for item A3 at the Bureau
CALENDAR YEAR 1959: (See General Instruction 5, Page 1 re head office employees)	(Omit ce		Male	Female	Total
(A) MANUFACTURING OPERATIONS ONLY -	\$		No.	. No.	No.
1. Working owners or partners (unincorporated companies only) (Report all withdrawals during the year for normal living expenses for self and family. Do not include withdrawals for payment of income tax.)					
2. Administrative and office employees (Include all executive and supervisory officials, such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional employees, superintendents and factory supervisors above the working foreman level, and their				For office us	se only
clerical staffs.)					
3. Production and related workers (Total payments to the employees shown under Section 6 below; the numbers of these employees to be reported in Section 6 only.) Outside piece-workers should be reported under B3 below.					
B) OTHER OPERATIONS AT THIS ESTABLISHMENT -					
1. Retail and wholesale (including travelling salesmen)			*Report	gross earnings	s, which should include
2. New construction			all bonus provided,	es, the value o deductions from	f room and board where n employees for income
3. Outside piece-workers			accident,	insurance, pen	ces, such as sickness, sions, etc., as well as
4. All other (please specify nature of work done):			any other ees' wage	allowances forms s (include payr	ning part of the employ- nents for overtime).
Total payroll of this establishment					
Sive the total number employed during the last pay period in May, 1 the calendar year are reported in Section B (1, 2, 3 and 4) above	959, for those	employees v	vhose salaries	and wages	
	Mont	h	Mal	e	Female
NUMBER OF PRODUCTION AND RELATED WORKERS RE- CEIVING PAY DURING THE LAST PAY PERIOD OF EACH MONTH:	January, 1959	9	No		No.
Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, hourly, or piece-work basis, and whose wages are shown in Section 5A3 above. Include all factory workmen not reported	February, 1959				
under 5Al or A2 above. (Include working foremen doing similar workto that of employ- ees they supervise; also maintenance, warehousing and delivery staffs, etc.]	April, 1959				
Do not include in this section employees whose earnings have been reported in Sections 5A1, 2 and 5B1, 2, 3 and 4 above.	June, 1959				
peen reported in Sections 3x1, 2 and 351, 2, 6 and 4 assessment	July, 1959				
	August, 1959				
	September, 1	959			
	October, 195	9			
	November, 1	959			
	December, 1	959			
MAN-HOURS OF ALL PRODUCTION AND RELATED WORKERS ARE REPORTED IN SECTION 6: A. Did any of these workers receive any pay for periods of absence (such as paid vacations or sick leave)?		ROLL IS REI		ECTION 5A3	AND WHOSE NUMB
of absence (such as paid vacations of sick leave);	JanMar.	AprJune	July-Sept.	OctDec.	Total for
	1959	1959	1959	1959	year-1959
B. Total plant man-hours octually worked by all production and re- lated workers during each quarter (in reporting overtime, in- clude only hours actually worked.)					
C. Total man-hours NOT WORKED, but nevertheless paid for, of all production and related workers (e.g. paid vacations, sick leave, etc.)	1				
D. Total man-hours paid for during calendar year			(Sum	of B plus C)	
De voter man nome have tor married carendary low minimum					

8. FUEL AND ELECTRICITY USED DURING THE YEAR:
(State cost in each case as laid down at the works, including freight, duty, etc. Do not consider fuel purchased as representing fuel used unless the quantities are the same.)

Kind	Unit of Measure	Quantity	Cost at plant (Omit cents)
			\$
1. Bituminous coal (a) From Canadian mines	ton		
2. (b) Imported	ton		
3. Sub-bituminous coal (from Alberta mines only)	ton		
4. Anthracite coal	ton		
5. Lignite coal	ton		
6. Coke (for fuel only)	ton		
7. Gasoline (include gasoline used in cars and trucks)	Imp. gal.		
8. Fuel oil including kerosene or coal oil (do not include lubricating oil)	Imp. gal.		
9. Wood (cords of 128 cubic feet of piled wood)	cord		
10. Gas (a) Liquefied petroleum gases (propane, etc.)	Imp. gal.		
11. (b) Other manufactured gas	1000 cu. ft.		
12. (c) Natural gas	1000 cu. ft.		
13. Other fuel (state kind and quantity)			
14. Electricity purchased (include service charge in cost) (a) For lighting and motors	kwh.		
(b) For other purposes	kwh.		
15. Steam purchased	pound		
16. TOTAL			
ELECTRICITY GENERATED:			
(a) For own use			kwh.
(b) For sale			kwh.
Revenue from electricity fo	or sale reported	l under (b) above	.
Of the total electricity generated how much was:			
(a) By thermal plant, including diesel-driven generators?			kwh.
(b) By hydro-electric plant?			cwh.

DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

ANNUAL CENSUS OF INDUSTRY

RETURN ONE COMPLETED COPY AND KEEP ONE COPY FOR YOUR FILES.

Please correct any mistakes in name or address.

GENERAL SCHEDULE

1959

The Census of Industry is authorized by the Statistics Act, Chap. 257, Revised Statutes of Canada, 1952, which makes the filing of returns by every manufacturer compulsory. Twenty-one days are allowed for the completion and submission of this report. Completed reports and correspondence concerning their completion should be addressed to the

INDUSTRY AND MERCHANDISING DIVISION

DOMINION BUREAU OF STATISTICS

OTTAWA

The report is Confidential and cannot be used for purposes of taxation, investigation or regulation without your permission.

If this establishment did not operate at all during the year, was closed down for part of the year, or changed ownership, please refer to General Instruction 2.

Industry totals compiled from manufacturers' reports will be published in industry bulletins as soon as possible after all reports are received. Your co-operation in returning your report(s) promptly will expedite the publication of this information.

GENERAL INSTRUCTIONS

- (1) A separate report must be prepared for each manufacturing establishment operated by a firm.
- (2) A report should cover a full year's operations, except when the establishment was operated for less than a year. A part-year report is required of an owner who went out of business during the year, either through closing down or sale. A purchaser should report from the date of purchase to the end of the calendar year. If no operations of all were carried on during the year, kindly check here and return the form immediately.
- (3) All manufacturing, processing and assembling operations at this plant should be included, unless reported in other Census of Industry returns.
- (4) This report should cover your manufacturing plant only, except where shipments are made of goods held on plant account from a warehouse or selling outlet in physical conjunction or close proximity to the plant (same town or city). In such a case include the shipments, employment and inventory of warehouse or selling outlets. Exclude these items for all other warehouses or sales outlets.
- (5) A Head or Executive Office should be reported as a part of this establishment provided it has the same address or is located in the same city or in the same municipality. If there are two or more establishments in this city or municipality, the head office employees and their earnings are to be included with one of them only. If these establishments are engaged in different industries, the head office employees should be included with the industry representing the major activity of your firm. A head office or executive office not so located is required to file a separate report for employment and payroll at such offices.
- (6) Check for completeness, accuracy and consistency. Your report will be reviewed for completeness and accuracy, and in order to avoid future correspondence, it is suggested that you (1) look for omissions, (2) check for reasonableness of average salaries, average wages, ratios of value of factory shipments to material costs, payroll, etc., and (3) compare total cost of materials, payroll, fuel and electricity with value of factory shipments for reasonableness. In most cases s reasonable margin for overhead and profit should be indicated.

	F THE ESTABLISHMENT
1. ACTUAL PHYSICAL LOCATION O	F THIS ESTABLISHMENT:
(If same as above mailing address che	eck here . Otherwise complete.)
Street and number	***************************************
City, town or village	***************************************
County or Census Division	***************************************
11012000	
If this establishment is not within t city, town or village given above, k its location, such as parish or towns ship, range, meridian in the West.	indly give below an indication of hip in the East, division or town-
2. NATURE OF TRADE OR BUSINE	SS: (describe briefly)
3. Type of Organization: (check one)	
Individual	Incorporated Company
Partnership	Incorporated Co-operative
	Unincorporated Co-operative
4. CHANGE OF OWNERSHIP OR STA	TUS: (Complete a, b or c, if appli-
(a) Sold by you	(date)
To	dress of present owner
(b) Purchased by you on	
F	
FromName and ad	ldress of previous owner
(c) Went out of business on	(date)
5. HEAD OR EXECUTIVE OFFICES	S: (see General Instruction 5)
5. HEAD OR EXECUTIVE OFFICE: Does this establishment have a	5: (see General Instruction 5)
	S: (see General Instruction 5)
Does this establishment have a	
Does this establishment have a Separate head office? Separate administrative office?	YesNo
Does this establishment have a Separate head office? Separate administrative office? 6. BUSINESS YEAR OF THIS ESTA	YesNo
Does this establishment have a Separate head office? Separate administrative office? 6. BUSINESS YEAR OF THIS ESTA	Yes No Yes No BLISHMENT: To
Does this establishment have a Separate head office? Separate administrative office? 6. BUSINESS YEAR OF THIS ESTA From I hereby certify that the information a complete and correct to the best of m Signature of person	Yes No Yes No BLISHMENT: To
Does this establishment have a Separate head office? Separate administrative office? 6. BUSINESS YEAR OF THIS ESTA From I hereby certify that the information a complete and correct to the best of m Signature of person	Yes No Yes No BLISHMENT: To
Does this establishment have a Separate head office? Separate administrative office? 6. BUSINESS YEAR OF THIS ESTA From I hereby certify that the information a complete and correct to the best of m Signature of person making this report Official position	Yes No Yes No BLISHMENT: To
Does this establishment have a Separate head office? Separate administrative office? 6. BUSINESS YEAR OF THIS ESTA From I hereby certify that the information a complete and correct to the best of m Signature of person making this report Official position Business address	Yes No Yes No BLISHMENT: To given in this report is substantially y knowledge and belief.

1. INVENTORY:	INVENTORY COVERED BY	FOR PERIOD THIS REPORT
A. MANUFACTURING INVENTORY	Opening	Closing
Book value of all inventory OWNED in connection with your manufacturing operations, in- cluding goods in transit and on consignment, if applicable. Include inventories at any warehouse or selling outlet which has been included with plant operations for purposes of reporting shipments. See instruction 4, page 1.	*	*
(1) RAW MATERIALS AND SUPPLIES		
(2) GOODS IN PROCESS		
(3) FINISHED GOODS OF OWN MANUFACTURE		
(4) TOTAL MANUFACTURING INVENTORY (A1 + A2 + A3)		
B. INVENTORY OF GOODS PURCHASED FOR RE-SALE		
Book value of all goods purchased for re-sale without further processing, owned by you and held at plant or plant warehouse, in transit in Canada, or out on consignment		

2 MATERIALS AND SUPPLIES USED - Give the quantity and laid-down value at the factory of all materials and supplies USED in manufacturing during the year, whether purchased from others or received as transfers from other plants of your company. Report materials USED, not PURCHASED. Show also amounts paid to other manufacturers for work done on materials owned by this plant. Do not include returnable containers or any other items chargeable to capital account. Do not include FUEL which is to be reported under section 7, page 4, or goods bought from others or received as transfers from other plants of your company for re-sale without further processing in this factory, which should be shown under section D below.

Materials and Supplies Used (List main items below)	Unit of Measure	Quantity	Total Cost at Works (Omit cents)
A. Materials			\$
1			
2			
3			
4			
5			
6			
7			
8			
9			
10.			
11. All other materials, including operating, maintenance and repair supplies, not including fuel. Include items of equipment not chargeable to capital account, also include chemicals and other agents which while not necessarily considered to be materials proper, must be directly associated with the materials at some stage of processing.			
(specify large items)			
12			
13.			
14			
3. Containers and Other Packaging Materials or Supplies			
Amount Paid Out to Others for Work Done on Materials Owned by This P	lant		
TOTAL			

SUPPLEMENTARY

D. MATERIALS OR PRODUCTS PURCHASED FROM OTHERS OR RECEIVED AS TRANSFERS FROM OTHER PLANTS OF YOUR COMPANY AND RESOLD WITHOUT FURTHER PROCESSING

3A. FACTORY SHIPMENTS OF GOODS OF OWN MANUFACTURE: Include goods manufactured from own materials, either at this plant, or by other manufacturers on the basis of a charge to this plant for work done. Give the quantity, when required, and the selling value at the plant, mill, factory, etc., of ALL PRODUCTS or BY-PRODUCTS of own manufacture shipped during the year from this plant as defined in General Instruction 4. Include all shipments (domestic, export or to government departments), as well as the value of containers when not returnable. Transfer shipments to sales outlets, distributing warehouses, or to other manufacturing units of your own firm must be included, and should be valued according to the most appropriate of the following methods: (a) value for purpose of sales tax, (b) value an independent wholesaler would be charged, and (c) book value. Goods bought or received as transfers and resold without further processing are to be reported in Section B below. Do not include sales tax or exciseduties. For work done on meterials owned by others, show only amount received in payment. NOTE FOR MULTIPLE UNIT FIRMS ONLY: Each plant is to be treated as an independent unit and, therefore, as having ownership of the materials used in the manufacturing or processing operations of the plant.

PRODUCTS SHIPPED (All products manufactured in this plant from materials owned by you which are not listed below, and which have not been included in another Census of Industry report made by your company, should be detailed in the space provided under "All other products".)	Unit of Measure	Quantity shipped	Value of shipments f.o.b. plant Do not include sales tex or excise duties (Omit cents)
			8
1			
2			
3			
4			
5			
6			
7			
8			
9			
10.			
11.			
12.			
13.			
14			
15. All other products (specify large items)			
16			
17			
18			
19			
20.			
21			
22. Amount received in payment for work done on materials owned by other	ers	***************************************	
23. Total value of shipments and work done			

B. FACTORY SHIPMENTS OF GOODS NOT OF OWN MANUFACTURE: Report the selling value f.o.b. plant as defined in General Instruction 4 (less sales or other excise taxes, discounts, returns, and allowances) OF ALL SHIPMENTS OF PURCHASED PRODUCTS OR OF PRODUCTS TRANSFERRED FROM OTHER PLANTS OF YOUR COMPANY OR MATERIALS RESOLD WITHOUT FURTHER PROCESSING AT THIS PLANT, if any. This refers to the materials and products reported in Section 2D.

4. ANALYSIS OF PAYROLL OF THIS ESTABLISHMENT	Salaries, v commission paid d calenda	ons, etc., uring r year	Al az		employed for items verages for item A3 at the Bureau
CALENDAR YEAR 1959: (See General Instruction 5 re head office employees)	195 (omit c	ents)	Male	Female	Total
(A) MANUFACTURING OPERATIONS ONLY -	\$		No.	No.	No.
 Working owners or partners (unincorporated companies only) (Report all withdrawals during the year for normal living expenses for self and family. Do not include withdrawals for payment of income tax.) 					
 Administrative and office employees (Include all executive and supervisory officials, such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional employees, superintendents and factory supervisors above the working foremen level, and their clerical staffs.) 				For office use	only
3. Production and related workers (Total payments to the employees shown under Section 5 below; the numbers of these employees to be reported in Section 5 only.) Outside piece-workers should be reported under B3 below.					
(B) OTHER OPERATIONS AT THIS ESTABLISHMENT -					
1. Retail and wholesale (including travelling salesmen)		*****************			
2. New construction		***************************************	all bont	ises, the value of	, which should include room and board where
3. Outside piece-workers	***************************************	****************	tax and	for social service	employees for income
4. All other (please specify nature of work done):			any othe	r allowances form	tions, etc., as well as ting part of the employ- tents for overtime).
Total payroll of this establishment					
Give the total number employed during the last pay period in May, 1 for the calendar year are reported in Section B (1, 2, 3 and 4) above	959, for those	employees w	hose salaries	and wages	
5. NUMBER OF PRODUCTION AND RELATED WORKERS RE- CEIVING PAY DURING THE LAST PAY PERIOD OF EACH MONTH SPECIFIED.	Мог	nth		ale	Female No.
Report only the number of employees who are engaged in the manufacturing end of your business, whether paid on monthly, weekly, hourly, or piece-work basis, and whose wages are shown in Section 4A3 above. Include all factory workmen not reported under 4A1 or A2 above.	March, 1959		r	10.	1400
(Include working foremen doing similar work to that of employees they supervise; also maintenance, warehousing and delivery staffs, etc.)	June, 1959 September, 1				
Do not include in this section employees whose earnings have been reported in Section 4A1, 2 and 4B1, 2, 3 and 4 above.	December, 1	959			
6. MAN-HOURS OF ALL PRODUCTION AND RELATED WORKERS ARE REPORTED IN SECTION 5: A. Did any of these workers receive any pay for periods of absence (such as paid vacations or sick leave)?		OLL IS REF	ORTED IN S	ECTION 4A3 AI	ND WHOSE NUMBERS
or species (see a plant to live a plant to linterest to live a plant to live a plant to live a plant to live a	JanMar. 1959	AprJune	JulSept.	OctDec. 1959	Total for year-1959
B. Total plant man-hours actually worked by all production and re- lated workers during each quarter (in reporting overtime, in- clude only hours actually worked.)					
C. Total man-hours NOT WORKED, but nevertheless paid for, of all production and related workers (e.g. paid vacations, statutory holidays, sick leave, etc.)					
D. Total, man-hours paid for during calendar year			(Sum	of B plus C)	
E. Please check for reasonableness by calculating average hourly earnings: (Section 4A3 divided by Section 6D)	***************************************			. (\$ per hour)	
 FUEL AND ELECTRICITY USED DURING THE YEAR: (State cost in each case as laid down at the works, including freight the quantities are the same.) 	t, duty, etc. D	o not conside	er fuel purcha	sed as represen	ting fuel used unless
					Cost at plant (Omit cents)
1. Total cost of fuel used (Include coal, coke, gasoline, fuel oil, w.	and see esc.)				\$
2. Cost of electricity purchased, including service charges					
TOTAL					

No 🗌

6501-1.5: 13-8-59

THIS RETURN IS CONFIDENTIAL. Keep one copy for your files and mail one completed copy in the enclosed envelope, postage free.

DOMINION BUREAU OF STATISTICS
OTTAWA - CANADA

Industry and Merchandising Division

ANNUAL CENSUS OF INDUSTRY

If you did not operate last year please note on form and return immediately.

GENERAL SCHEDULE

1959

Please correct any mistakes in name or address.

The Census of Industry is authorized by the Statistics Act, Chap. 257, Revised Statutes of Canada, 1952, which makes the filing of returns by every manufacturer compulsory. Twenty-one days are allowed	 FACTORY SHIPMENTS OR SALES of good receipts for repair and custom work. Do not re-sold in the same condition as purchased. 	s of own manufacture and nelude goods bought and
for the completion and submission of this report. 1. ACTUAL PHYSICAL LOCATION OF THIS ESTABLISHMENT: Street and number	Products Sold or Shipped	Value of Sales or Shipments. Do not include sales tax or excise duties. (Omit cents)
City, town, village or P.O.	1	\$
County or Census Division	2	
Province If this establishment is not within the actual legal boundaries of the	3	
city, town or village given above, kindly give below an indication of its location, such as parish or township in the East, division or town- ship, range, meridian in the West.	4	
	5	
	6	
2. NATURE OF TRADE OR BUSINESS: (describe briefly)	7	
	8	
3. TYPE OF ORGANIZATION: (check one)	9	
☐ Individual ☐ Incorporated Company	10.	
Partnership Incorporated Co-operative	11	
Unincorporated Co-operative	- 12	
4. CHANGE OF OWNERSHIP OR STATUS: (Complete a, b or c, if applicable).	13	
(a) Sold by you (date)	14	
To	15	
(b) Purchased by you on (date)	16	
	17	
From	18	
(c) Went out of business on (date)	19. Other products (specify large amounts)	
I hereby certify that the information given in this report is substantially complete and correct to the best of my knowledge and belief.	20.	
Signature of person	21.	
making this report		
Mailing address	23. Amount received for repair and custom	
Period covered by this report From 19 19 19 19	work	
Date of this report	24. Total Value	

APPENDIX IV

PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry and summary reports which are released each year as the compilations are completed. The summary reports for the **Manufacturing Industries** are listed below. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

number	Title	Price
	GENERAL REVIEWS	
31 - 201 31 - 202	General Review of the Manufacturing Industries of Canada (A)	2.00 .75
31 - 203 31 - 204 31 - 205	Manufacturing Industries of Canada: Summary fro Canada (A)	.50
31 - 206 31 - 207 31 - 208	Province of Ontario (A)	.50
31 - 209 31 - 210 31 - 001 65 - 004	The Manufacturing Industries of Canada, Geographical Distribution (A)	.50 4.00 7.50
65 - 007 31 - 002	Trade of Canada — Imports (M) per year New Manufacturing Establishments in Canada (S.A.) per year	7.50 2.00
	FOODS AND BEVERAGES	
32-201	Foods and Beverages - General Review (A)	.50
	Bakery Products	
32 - 202 32 - 203	Biscuit Industry (A)	.50
	Beverages	
32-001 32-205 32-206	Monthly Production of Carbonated Beverages (M)per year Brewing Industry (A)	.50
32 - 207 32 - 208	Wine Industry (A)	.25
	Canning and Preserving	
22-003 24-001 24-002	Fruit and Vegetable Crop Reports (Seasonal) per year Fish Freezings and Stocks (M) per year Monthly Review of Canadian Fisheries Statistics (M) per year	2.00 3.00
24 - 201 32 - 010 32 - 011 32 - 211	Fisheries Statistics of Canada (A) Stocks of Fruit and Vegetables (M) Quarterly Stocks of Canned Fruits and Vegetables on Hand (Q) per year Canned Foods Summary (A)	2.00 2.00
32-211 32-212 32-216 32-217	Canned and Frozen Processed Foods (A)	.50
32-211	Fruit and Vegetable Preparations Industry (A)	50

Catalogue number	Title	Price
	FOODS AND BEVERAGES - Concluded	
	Dairy Products	
23 - 201 32 - 002 32 - 009 32 - 209 32 - 210	Dairy Statistics (A) Dairy Factory Production (M) Stocks of Dairy and Poultry Products (M) Dairy Products Industries (A) Process Cheese Industry (A)	.50 1.00 2.00 .75 .25
	Grain Mill Products	
32 - 003 32 - 004 32 - 204 32 - 214 32 - 215	Grain Milling Statistics (M)	1.00 3.00 .25 .50
	Meat Products	
32-012 32-220 32-221	Stocks of Meat and Lard (M) per year Estimates of Production and Consumption of Meats (A) Slaughtering and Meat Packing Industries (A)	.25
	Other Food Industries	
Stock	Margarine Statistics (M)	.50 .50 .50 donthly
22 - 205 32 - 014 32 - 225	Leaf Tobacco Production and Value (A)	.25 2.00 .50
	RUBBER PRODUCTS	
33 - 206 33 - 003	Rubber Products Industry (A)	.50 2.00
	LEATHER PRODUCTS	
33 - 201 33 - 202 33 - 203 33 - 204 33 - 205 33 - 001 33 - 002	Leather Products Industry — General Review (A) Leather Tanning Industry (A) Leather Footwear and Leather Boot and Shoe Findings Industries (A) Leather Glove and Mitten Industry (A) Miscellaneous Leather Products and the Leather Belting Industries (A) Statistics of Hides, Skins and Leather (M) Per year Production of Leather Footwear (M) per year	.50 .50 .50 .50

Catalogue number	Title	Price
	TEXTILES	
34 - 201 34 - 202 34 - 203 34 - 204 34 - 205 34 - 206 34 - 207 34 - 208 34 - 209 34 - 210	General Review of Textile Mills (A) Awning, Tent and Sail Industry (A) Cordage, Rope and Twine Industry (A) Cotton and Jute Bag Industry (A) Cotton Textile Industries (A) Dyeing and Finishing of Textile Goods Industry (A) Narrow Fabrics Industry (A) Synthetic Textiles and Silk Industry (A) Wool Textile Industries (A) Miscellaneous Textile Industries (A)	.50 .50 .50 .50 .25 .50
	KNITTING MILLS	
34 - 215	Hosiery and Knitted Goods Industries (A)	.50
	Clothing	
34 - 211		50
34 - 212	General Review of the Clothing Industries (A)	.50
34 - 213	Fur Goods and Fur Dressing Industries (A)	.50
34 - 214	Hat and Cap Industry (A)	.50
34 - 216 34 - 217	Men's Factory Clothing Industry (A)	
34 - 218	Miscellaneous Clothing Industries (A)	.75
34-001	Quarterly Production of Garments (Q) per year	1.00
	WOOD PRODUCTS	
35 - 201	General Review of the Wood-Using Industries (A)	.50
35 - 202	The Furniture Industry (A)	.50
35 - 203	The Hardwood Flooring Industry (A)	.50
35 - 204 35 - 205	The Lumber Industry (Sawmill Operations) (A)	.75
35 - 206	The Sash, Door and Planing Mills Industry (A) The Veneer and Plywood Industry (A)	.50
35 - 207	The Miscellaneous Wood - Using Industries (A)	.50
25 - 201	Operations in the Woods (Estimate of Forest Production) (A)	.50
35-002	Production, Shipments and Stocks on Hand of Sawmills East of the Rockies (M)	2.00
35 - 003 35 - 001	Production, Shipments and Stocks on hand of Sawmills in British Columbia (M) Peeler Logs, Veneer and Plywood (Deliveries, consumption and stocks of logs;	2.00
00 002	production; domestic and export shipments and monthend stocks of veneer and	
	plywood) (M)	1.00
25 - 001	Pulpwood production, Consumption and Inventories (M)	1.00
	PAPER PRODUCTS	
36 - 201	General Review of the Paper - Using Industries (A)	.50
36 - 202	The Paper Box and Bag Industry (A)	.50
36 - 204	The Pulp and Paper Industry (A)	.75
36 - 205 36 - 206	The Roofing Paper Industry (A)	.50
	Hard Board (Production and domestic and export shipments) (M)	1.00
36 - 002	Rigid Insulating Board (Production and domestic and export shipments) (M)	1.00
45 - 001 47 - 001	Asphalt Roofing (Production and shipments by areas) (M)	1.00
71-001	Asphalt and Vinyl — Asbestos Floor Tiles (Production, domestic shipments, imports and exports) (M)	1.00

Catalogue number	Title	Price
	PRINTING, PUBLISHING AND ALLIED INDUSTRIES	
36 - 203	The Printing Trades (A)	.75
	IRON AND STEEL PRODUCTS	
		5.0
41 - 201	Iron and Steel Products - General Review (A)	,50
42 - 202	The Agricultural Implements Industry (A) The Boilers and Plate Work Industry (A)	
41 - 205 41 - 207	The Bridge Building and Structural Steel Industry (A)	, 25
41 - 208	The Hardware, Tools and Cutlery Industry (A)	, 50
41 - 209	The Heating and Cooking Apparatus Industry (A)	.50
42 - 208	The Machinery Industry (A)	.50
42 - 207	The Machine Shops Industry (A) The Iron Castings Industry (A)	.50
41 - 210 41 - 203	The Iron Castings Industry (A) The Primary Iron and Steel Industry (A)	.78
41 - 213	The Sheet Metal Products Industry (A)	.50
41 - 216	The Wire and Wire Goods Industry (A)	. 50
41 - 217	The Miscellaneous Iron and Steel Products Industry (A)	.50
41 - 001	Primary Iron and Steel (M) per year	3.00
41 - 002 41 - 003	Steel Ingots and Pig Iron (Preliminary) (M)	1.00
41-003	Iron Castings and Cast Iron Pipes and Fittings (M)	1.00
41 - 005	Stoves and Furnaces (M) per year	1.00
41 - 006	Steel Wire and Specified Wire Products (M) per year	1.00
41 - 212	Scrap Iron and Steel (A)	. 2
63 - 203 64 - 202	Farm Implement and Equipment Sales (A)	.50
43 - 006	Air Conditioning and Refrigeration Equipment (M)	1.00
(S.C.)	Sanitaryware (M)	1.00
(S.C.)	Scrap Iron and Steel (M) per year	1.00
(S,C.)	Domestic Water Tank Heaters (M)	1.00
(S,C,)	Domestic and Farm Water Systems (M)	1.00
(S.C.) (S.C.)	Builders' Hardware (M)	1.0
(S.C.)	Domestic Range Boilers (M) per year	1.0
(S.C.)	Cemented Tungsten Carbide (M) per year	1.0
(S.C.)	Welding Electrodes (M) per year	1.0
(S.C.)	Grinding Balls (A)	.2
(S.C.)	Fans, Unit Heaters and Ventilators (A)	. 4
	TRANSPORTATION EQUIPMENT	
42 - 201	Transportation Equipment - General Review (A)	.5
42 - 203	Aircraft and Parts Industry (A)	. 5
	Bicycle Manufacturing Industry (A)	
42 - 205 42 - 206	Shipbuilding Industry (A)	.2
42 - 209	Motor Vehicles Industry (A).	.5
42 - 210	Motor Vehicles Parts Industry (A)	. 5
42 - 211	Railway Rolling Stock Industry (A)	.5 .2
42 - 212	Miscellaneous Transportation Equipment Industry (A) Preliminary Report on Production of Motor Vehicles (M)	1.0
42 - 001 42 - 002	Motor Vehicle Shipments (M) per year	1.0
53 - 203	Motor Vehicle (A)	7
53 - 204	Motor Vehicle — Preliminary Report on Registrations, etc. (A)	5
63 - 007	New Motor Vehicle Sales and Motor Vehicle Financing (M) per year	1.0
63 - 208	New Motor Vehicle Sales and Motor Vehicle Financing (A)	5

number number	Title	Price
	NON-FERROUS METAL PRODUCTS	
41 - 202	Non-ferrous Metal Products - General Review (A)	.50
41 - 204	The Aluminum Products Industry (A)	.50
41 - 206	The Brass and Copper Products Industry (A)	. 50
41 - 215	The White Metal Alloys Industry (A)	. 50
41 - 211	The Jewellery and Silverware Industry (A)	50
41 - 214	The Smelting and Refining Industry (A)	. 50
41 - 218	The Miscellaneous Non-ferrous Metal Products Industry (A)	. 25
41-007	Non-ferrous Scrap Metal and Secondary Non-ferrous Ingot (Q) per year	1.00
	ELECTRICAL APPARATUS AND SUPPLIES	
43 - 201	The Electrical Apparatus and Supplies Industry (A)	.75
43-001	Domestic Refrigerators and Freezers (M)	1.00
43-002	Domestic Washing Machines and Clothes Dryers (M)	1.00
43-003	Specified Domestic Electrical Appliances (M)	1,00
43-004	Radio and Television Receiving Sets (M) per year	1.00
43 - 005	Factory Sales of Electric Storage Batteries (M)	1.00
43 - 006	Air Conditioning and Refrigeration Equipment (M)	1.00
41-005	Stoves and Furnaces (M) per year	1.00
(S.C.) (S.C.)	Domestic Water Tank Heaters (M) per year	1.00
(S.C.)	Electric Lamps (M) per year	1,00
(S.C.)	Welding Electrodes (M) per year Fans, Unit Heaters and Ventilators (A)	1.00
(S.C.)	Fans, Unit Heaters and Ventilators (M) per year	1.00
57-001	Electric Power Statistics (M) per year	1.00
57 - 201	Electric and Gas Meter Registrations (A)	2.00
57 - 202	Electric Power Statistics (A)	.75
57 - 204	Electric Power Survey of Capability and Load (A)	.50
64 - 202	Household Facilities and Equipment (A)	.50
	NON-METALLIC MINERAL PRODUCTS	
44 - 201	Non-Metallic Mineral Products — General Review (A)	.50
44-202	The Artificial Abrasives Industry (A)	.50
44 - 203	The Asbestos Products Industry (A)	. 25
44 - 204	The Cement Manufacturing Industry (A)	.50
44 - 205	The Concrete Products Industry (A)	.50
44 - 207	The Glass and Glass Products Industry (A)	
44 - 208	The Gypsum Industry (A)	
44 - 206	The Clay and Clay Products Industry (A)	
44 - 209 26 - 214	The Lime Industry (A)	
26 - 217	The State Industry (A)	
44 - 210	The Stone Industry (A)	.50
26 - 001	Asbestos (M)	1.00
26 - 007	Canada's Leading Minerals (M) per year	1.00
26 - 009	Salt (M)	
44-001	Cement (M)	1.00
44-002	Concrete Products (M) per year	1.00
44 - 003	Gypsum Products (M) per year	1.00
44-004	Mineral Wool (M) per year	1.00
44-005	Products Made from Canadian Clays (M) per year	1.00
	PRODUCTS OF PETROLEUM AND COAL	
	Products of Petroleum and Coal — General Review (A)	.50
45 - 203	Coke and Gas Industry (A)	.50
	Petroleum Products Industry (A)	.50
45 - 207	Miscellaneous Products of Petroleum and Coal Industry (A)	. 25

Catalogue number	Title	Price
	PRODUCTS OF PETROLEUM AND COAL - Concluded	
26 - 003 26 - 206 45 - 202 26 - 006 26 - 213 45 - 004 45 - 204 45 - 206 13 - 505 13 - 507 13 - 506 55 - 001	Preliminary Report on Coal Production (M)	1.00 1.00 .50 1.00 .50 3.00 1.50 .25 1.00 1.00 2.00
55 - 201	Pipe Line (Oil) Statistics (A)	. 50
	CHEMICALS AND ALLIED PRODUCTS	
46 - 201 46 - 202 46 - 203 46 - 204 46 - 205 46 - 208 46 - 209 46 - 210 46 - 211 46 - 213 46 - 214 46 - 215 46 - 206 46 - 217 46 - 207 46 - 209 46 - 200 (S.C.) 46 - 207 46 - 201 46 - 207 46 - 207 46 - 200 46 - 200	Chemicals and Allied Products — General Review (A) Acids, Alkalies and Salts Industry (A) Coal Tar Distillation Industry (A) Compressed Gases Industry (A) Fertilizers Industry (A) Medicinal and Pharmaceutical Preparations Industry (A) Paints, Varnishes and Lacquers Industry (A) Polishes and Dressings Industry (A) Polishes and Dressings Industry (A) Soaps, Washing Compounds and Cleaning Preparations Industry (A) Toilet Preparations Industry (A) Miscellaneous Chemical Products Industry (A) Chemicals and Allied Products — Preliminary Summary Statistics (A) Soaps and Synthetic Detergents (M) Soaps and Synthetic Detergents (M) Consumption of Chemicals in Municipal Waterworks (B) Fertilizer Trade (A) Sales of Pest Control Products by Canadian Registrants (A) Sales of Paints, Varnishes and Lacquers (M) per year Specified Chemicals (10 items) (M)	.50 .50 .50 .50 .50 .50 .50 .25 1.00 .25
	MISCELLANEOUS INDUSTRIES	
47 - 201 47 - 202 47 - 203 47 - 204 47 - 205	Broom, Brush and Mop Industry (A)	.25
(S.C.)	Production and Sales of Records in Canada (M)	

Remittances should be in the form of cheque or money order, made payable to the Receiver General of Canada and forwarded to the Information Services Division, Dominion Bureau of Statistics, or to the Queen's Printer, Ottawa, Canada.



Publica

GENERAL REVIEW OF THE MANUFACTURING INDUSTRIES OF CANADA 1960

DOMINION BUREAU OF STATISTICS

Industry Division



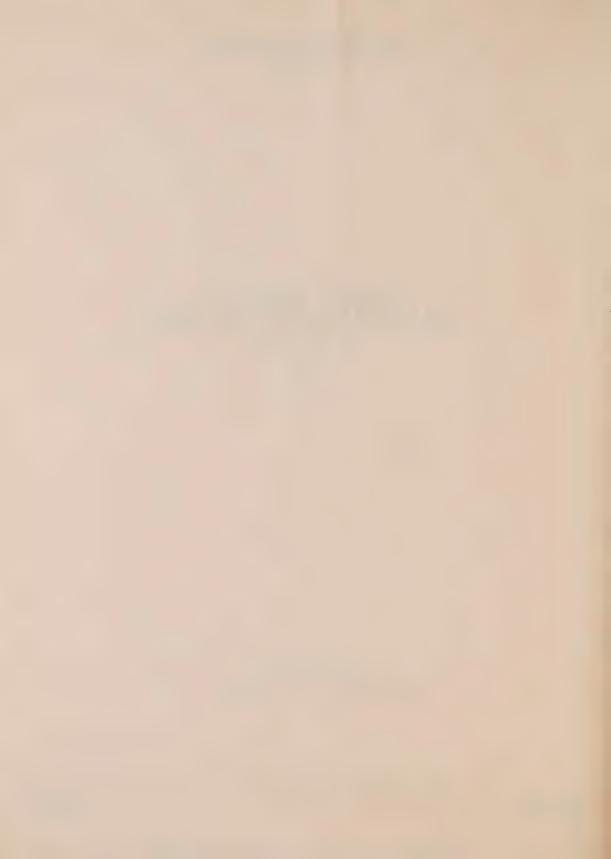
DOMINION BUREAU OF STATISTICS Industry Division

GENERAL REVIEW OF THE MANUFACTURING INDUSTRIES OF CANADA

1960

Published by Authority of
The Minister of Trade and Commerce

January 1964 6502-501 Price: \$2.00



PREFACE

The present review of the manufacturing industries of Canada is based on the data obtained from the survey of manufactures made annually by the Industry and Merchandising Division of the Bureau. In addition to data on production, employment, salary and wage payments, consumption of materials, fuel and electricity, size of establishment and type of ownership the review also contains data on manufacturing compiled by other Divisions of the Bureau, such as weekly and hourly earnings, hours worked, capital investment, volume of production, etc. The main purpose of the review is to supply historical background of the principal factors involved in manufacturing production in Canada. Besides general analyses for Canada as a whole, data for each province, county or census division as well as cities and towns, are also given. A feature of the review is the "Alphabetical List of Products Manufactured in Canada" which gives Canada totals for about 3,000 individual commodities. As the basis of classification for the annual survey of manufactures is the "Industry" and not the "Commodity" the same commodity may, therefore, be produced by more than one industry. To obtain a total for each commodity its production in the different industries is summarized on a ledger card which is maintained for each commodity.

The general review of the manufacturing industries of Canada, as a separate report, dates back about thirty years and has been prepared since its inception under the direction of Mr. A. Cohen, Assistant Director of the Industry and Merchandising Division who wrote the text and prepared the analytical tables contained in the volume.

WALTER E. DUFFETT,

Dominion Statistician.

July 1, 1963.



TABLE OF CONTENTS

	rage
Part I. General Analyses of Manufacturing	9
Section I, Growth of Manufacturing	9
Subsection 1. Definitions and Concepts Used In Compiling Manufacturing Statistics	
Subsection 2. Recent Changes in Methods	12
Subsection 3. Methods and Forms Used in Collecting and Compiling the Census of Manufactures for 1958, 1959 and 1960	16 16
Subsection 4. General Review of the Manufacturing Industries of Canada 1945-59	19
Table 1. Average Annual, Weekly and Hourly Earnings of Production Workers, by Province and Industrial Group, 1946 and 1959 Table 2. Average Annual, Weekly and Hourly Earnings of Administrative and Office Em-	21
ployees, by Province and Industrial Group, 1946 and 1959	22
Table 4. Volume and Value of the Principal Manufactured Products Made in Canada, 1945 and 1959	23 24
Subsection 5. General Review of the Manufacturing Industries of Canada, 1960	26
Table 5. Variation in Volume of Production, 1946 to 1960	28
Table 7. Summary Statistics of Manufactures, 1917-60	28 29
Province, 1957-60	30
Industrial Groups, 1957-60	31 33
Table 11. Consumption of Manufactured Products, 1928-60 and by Industrial Groups, 1959	34
Section 2. Value and Volume of Manufactured Products	35
Table 12. Indexes of the Volume of Manufacturing Production, according to the Component Material Classification, 1923-35	36
Table 13. Indexes of the Total Volume of Manufacturing Production, classified on the Basis of Durable and Non-Durable Goods, 1935-60	37
Table 14. Indexes of the Volume of Manufacturing Production on the Groups Comprised within the Non-Durable Manufactures Classification, 1935-60	39
within the Durable Manufactures Classification, 1935-60	41
Section 3. Production by Industrial Groups and Individual Industries	41
Subsection 1. Manufactures grouped on the Standard Classification Basis	41
Table 16. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1960 Table 17. Quantities and Values of the Principal Commodities Produced or Shipped by	42
the Manufacturing Industries of Canada, 1960	54
Subsection 2. Manufactures classified on the Chief Component Material Classification Basis	56
Table 18. Principal Statistics of the Manufacturing Industries, Classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-59	56
Subsection 3, Manufactures classified by Origin of Materials	57
Table 19. Principal Statistics of the Manufacturing Industries, classified according to the Origin of Materials Used, by Main Groups, Significant Years, 1924-60	58
Subsection 4. Manufactures classified by Type of Ownership	60
Table 20. Percentage Distribution of the Manufacturing Industries of Canada, by Type of Ownership, 1946-60	60
Onicionity, 1010 00 minimum mi	00

TABLE OF CONTENTS-Continued

Page

art I. General Analyses of Manufacturing — Continued	
Table 21. Percentage Distribution of the Manufacturing Industries of Canada, by Type of	60
Ownership and by Size of Establishment, 1960	61
Table 23. Percentage Distribution of Employment in the Manufacturing Industries, classified by Type of Ownership, by Provinces and Industrial Groups, 1960	61
Table 24. Percentage Distribution of Employment in the Forty Leading Industries, by Type	62
Table 25. Principal Statistics of the Manufacturing Industries of Canada and Each Province, grouped according to the Type of Ownership, 1960	63
Table 26. Principal Statistics of the Manufacturing Industries of Canada classified by Industrial Groups and by Type of Ownership, 1960	64
Subsection 5. Leading Manufacturing Industries	65
Table 27. Principal Statistics of the Forty Leading Industries of Canada, Ranked according to Selling Value of Factory Shipments, 1960	67
Section 4. Principal Factors in Manufacturing Production	68
Subsection 1. Capital and Repair Expenditures	68
Table 28. Comparison of Capital Expenditures with Value of Factory Shipments, 1950-59 Table 29. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces	69
and Industrial Groups, 1960, with Totals for 1944-59	69
tries of Canada, by Provinces, 1948 to 1960	70
tries of Canada, Industrial Groups, 1945 to 1959	71
Subsection 2. Value of Manufacturing Inventory	72
Table 32. Value of Manufacturing Inventory Held at Plant or Plant Warehouse, Exclusive of Goods Purchased for Resale without Further Processing, 1949-60	72
Subsection 3. Employment in Manufacturing Industries	73
Table 33. Production Workers Employed in the Manufacturing Industries, by Months and Sex, Significant Years, 1929-60.	74
Table 34. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Provinces, 1960	75
Table 35. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1960	77
Subsection 4. Hours Worked in Manufacturing Industries	80
Table 36. Production Workers in Manufacturing, Working Specified Number of Hours per Week in the Month of Highest Employment, 1938-45. Table 37. Production Workers in Manufacturing Working Specified Numbers of Hours during	81
the Last Week in October, 1946-58	82
Table 38. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Province and Industrial Group, 1946, 1953 and 1960	83
Subsection 5. Earnings in Manufacturing Industries	84
Table 39. Annual Earnings in Manufacturing Industries, by Provinces and Industrial Groups, 1960, with Totals for Significant Years, 1917-59	84
Table 40. Annual Earnings in the Forty Leading Industries, 1960	86
by Provinces and Industrial Groups, 1960	88
in the Manufacturing Industries, 1934-60	89
Table 44. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-60.	91
Table 45. Average Weekly and Hourly Earnings of Male and Female Administrative and Office Employees, by Provinces and Industrial Groups, 1960	94
Table 46. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, 1946-60	94

TABLE OF CONTENTS-Continued

Part I. General Analyses of Manufacturing - Concluded	rage
Table 47. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Provinces, 1946-60	0.5
ployees in the Manufacturing Industries, by Industrial Groups, 1946-60	06
Manufacturing Industries of Canada, Classified on the Basis of (a) Managerial and Professional Employees, and (b) Office Workers, by Provinces and Indus-	
trial Groups, 1951, 1954, 1957 and 1960	99
Weekly Earnings, 1934 - 59	101
Table 51. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings and by Sex and Provinces, 1959	
Table 52. Distribution of Employees in the Manufacturing Industries by Classes of	
Weekly Earnings and by Sex and Industrial Group, 1959 Table 53. Average Yearly Earnings and Index Numbers of Earnings, Consumer Price Index and Real Earnings of Production Workers, in the Manufacturing industries, 1931-60	
Table 54. Percentage of Salaries and Wages Paid to the Total Value added by Manu-	
facture, Significant Years, 1917-60	
Subsection 6. Size of Manufacturing Establishments	106
Table 55. Manufacturing Establishments classified according to Gross Value of Products, 1929, 1939, 1944 and 1960	107
Table 56. Manufacturing Establishments classified according to Selling Value of Factory	107
Shipments, by Industrial Group, 1960	107
Table 58. Manufacturing Establishments classified by Number of Employees per Estab-	111
lishment, 1929, 1939, 1944 and 1960	111
fied by Number of Employees per Establishment, 1960	112
Table 60. Percentage Importance of Establishments, each Employing 200 or more Persons in the Twenty-Five Leading Industries, 1960	116
Subsection 7. Fuel and Power Consumption	117
Table 61. Value of Fuel and Electricity Used by the Manufacturing Industries of Canada,	
1939-59 with Details by Provinces and Industrial Groups, 1960	118 120
Table 63. Power Equipment Installed in the Manufacturing Industries of Canada, by Pro-	
vinces and Industrial Groups, 1958	121
Selected Years 1926-59, and by Provinces and Industrial Groups, 1960 Table 65. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries	122
for Selected Years 1926-59, and by Province and Industrial Groups, 1960	124
Part II. Provincial and Local Distribution of Manufacturing Production	126
Section I, Type and Concentration of Manufacturing Production	126
Table 1. Summary Statistics of Manufactures of each Province, classified by Industrial Groups, 1960	126
Table 2. Concentration of Manufacturing Production in Each Province, 1960	130
Table 3. Principal Statistics of the Manufacturing Industries of Canada and Each Prov- ince, classified by the Number of Employees per Establishment, 1960	130
Table 4. Principal Statistics of the Manufacturing Industries of Canada and Each Prov-	
ince, classified according to Selling Value of Factory Shipments 1960	132

TABLE OF CONTENTS-Concluded

	Page
Part II, Provincial and Local Distribution of Manufacturing Production—Concluded	
	104
Section 2. The Manufactures of the Atlantic Provinces Table 5. Principal Statistics of the Leading Industries of the Province of Newfoundland,	134
1960	136
Table 6. Principal Statistics of the Leading Industries of the Province of Prince Edward Island, 1960	136
Table 7. Principal Statistics of the Leading Industries of the Province of Nova Scotia,	137
Table 8. Principal Statistics of the Leading Industries of the Province of New Brunswick, 1960	
Section 3. The Manufactures of Quebec	138
Table 9. Principal Statistics of the Forty Leading Industries of the Province of Quebec,	140
Section 4. The Manufactures of Ontario	140
Table 10. Principal Statistics of the Forty Leading Industries of the Province of Ontario,	
Section 5. The Manufactures of the Prairie Provinces	142
Table 11. Principal Statistics of the Leading Industries of the Province of Manitoba, 1960 Table 12. Principal Statistics of the Leading Industries of the Province of Saskatchewan,	145
1960	
Section 6. The Manufactures of British Columbia	146
Table 14. Principal Statistics of the Leading Industries of the Province of British Columbia, 1960	
Section 7. Manufacturing Industries in Urban Centres	148
Table 15. Cities and Towns each with Selling Value of Factory Shipments of over \$1,000,000, Number of Establishments and Total Shipments in such Urban	
Centres as a Percentage of the Grand Total, by Provinces, 1960 Table 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-60	
Table 17. Principal Statistics of the Manufacturing Industries Located in the Metropolitar Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver	
grouped according to the number of Employees per Establishment, 1960 Table 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or over, and with Three or More Establishments,	
1960	. 151
Census Division, 1960	. 155
Appendix I	
Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960	
Appendix II	
Alphabetical List of Products Manufactured in Canada, 1960	177
Appendix III	
Facsimile of the Long, Medium and Short Forms Used in the 1960 Census of Manufactures	217

PART I. GENERAL ANALYSES OF MANUFACTURING

SECTION 1. GROWTH OF MANUFACTURING

Subsection 1. Definitions and Concepts Used in Compiling Manufacturing Statistics

The statistics compiled by the annual survey of manufactures given in the present report cover the number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, value of shipments, inventories and value added by manufacture. The concepts used in determining a manufacturing establishment and a short definition of each of the above principal statistics is outlined in the paragraphs following:

The Establishment. — There is general agreement that in most cases the smallest unit for which data can be obtained, and which is therefore classifiable to an industry, is the establishment. The establishment is thus an operating unit having an independent existence in the sense that it contains within itself all of the elements needed for the activities carried on. An establishment is also able to maintain records from which it can provide the principal statistics enumerated in the opening paragraph without arbitrary estimation. The main elements are on the input side, total employment measured either in terms of individuals or man-hours or man-days, materials and process supplies used, and fuel and electricity consumed; and on the output side, either production, shipments or sales or revenues received, whichever is appropriate.

Theoretically, an establishment would be engaged in only one kind of activity in one location, but in practice such an ideal establishment is rarely encountered. Thus the unit for which information is usually obtained in statistical surveys is engaged in a number of activities and sometimes these activities take place in different locations. For example, manufacturers of structural steel or tanks usually produce the parts in one location and may erect the structure (bridge or tank) hundreds of miles away from the fabricating plant, thus widening the area of employment not alone to other municipalities but to other provinces as well. This poses quite a problem in the compilation of employment and production statistics on a geographical basis. Where the number of employees engaged in erecting is small the total operation of the establishment is credited to a particular industry and geographically to the municipality where the plant is located. In the case of structural steel and bridge work where the number of employees engaged in erecting is large and where the period of employment on the site extends over a long period, an attempt is made to treat the total operation as two establishments, one being classified to the bridge and structural steel industry and the other to the construction industry. In such cases the employees engaged on the site are considered as employed in construction and not manufacturing.

Some firms are so organized that their activities extend over a number of stages in the production or fabrication of a product which may include extraction or processing of crude materials as well as the fabricating and finishing processes leading to the final product. For example, a gravel or sand pit may be combined with a plant making concrete products or a textile mill may handle processes extending from spinning to weaving, dyeing and finishing of textiles. In these cases, so long as sales of intermediate products do not predominate, the objective of the operation is the final product and a realistic value can be applied only at the point of sale of the final product. Thus, unless records are maintained permitting the isolation of separate establishments for different stages, the whole operation is classified to the industry indicated by the nature of the final product.

The above rule does not apply to manufacturing establishments which sell at wholesale or retail only goods of their own making and which are classed as manufacturers. Many bakeries and dairies are in this category. Theoretically a manufacturing bakery selling its own products should make two reports, one covering its manufacturing operations and the second covering its merchandising activities. The first report should be classified to manufacturing and the second report to either retail or wholesale trade. In practice the records kept do not permit such a breakdown and in consequence a bakery is treated as a single reporting unit which includes all its opera-

tions, manufacturing as well as merchandising. On the other hand, metal mines operated in conjunction with smelting and refining are handled differently. In this case the two kinds of activity are separately classified, the mining operations being classified to mining and the smelting to manufacturing.

With a few exceptions, the annual census of manufactures attempts to cover only the manufacturing operations of an establishment. As mentioned previously few establishments carry on only manufacturing operations. In many cases manufacturers perform the functions of wholesalers in as much as they sell their products direct to retailers or industrial users and not through wholesalers. In some cases, in addition to distributing products of their own manufacture, they also sell products purchased for resale. For the large firms, at least, these two operations which according to the Standard Industrial Classification belong to different industrial classifications, are reported separately in the schedule and only the number of employees engaged in manufacturing as well as the materials and supplies used in manufacturing and the sale of the products actually manufactured by the establishment are credited to manufacturing. The employees engaged in trade or other activities of the establishment as well as the value of sales and cost of goods purchased for resale in the condition in which purchased are excluded from the compilations of manufacturing statistics. In the case of small establishments, however, where only minor quantities of purchased goods are sold, and where the same employees perform both manufacturing and merchandising operations, the establishment is treated as a single unit and all the operations are credited to manufacturing.

Frequently a problem arises whether an establishment is engaged primarily in manufacturing or in trade. The general rule for determining the principal activity of such an establishment is given in the introduction to the Revised DBS Standard Industrial Classification Manual where it is stated:

"In order to determine the principal activity, net values added by its different activities should be used. For example, in the case of manufacturing and trade activity, the data supplied by the establishment should be such that both the 'value added' in manufacturing and the 'gross mark-up' on the commodities purchased for resale can be calculated. 'Value added' consists of the difference between the value of products manufactured in a period and the value of the materials and fuel used in their manufacture. The 'gross mark-up' on purchased goods sold consists of the difference between the cost of such goods and their selling price. The establishment is assigned to one or another activity depending upon which of these is the greater.

On the other hand, for establishments whose activities are confined to one particular division of the classification, the principal activity is determined on the basis of the gross revenue obtained from the different products produced or handled, or services rendered."

At present an establishment engaged mainly in a non-manufacturing activity but which produces manufactured products as a subsidiary operation (for example a country general store which is classified in retail trade and which also produces stock and poultry feeds) is required to make an annual return covering its manufacturing production only. In this connection it is asked to report the number of employees, salaries and wages paid, materials and fuel and electricity used in connection with the manufacturing operations and the selling value of feeds shipped or sold. Many such mixed establishments find it difficult to make an accurate return since estimates for number of employees, broken down into office employees and production workers, fuel and electricity used, etc., have to be made.

Ancillary Units. — Many establishments have ancillary units such as garages, warehouses, power plants, or units making containers or packaging materials which may be housed in the same building as the main establishment or may be separately located. In some cases these ancillary units may also sell part of their products or services to establishments

outside their organization. When such an ancillary unit can provide the information required, it is considered to be a separate establishment and is assigned to the industry indicated by the principal activity. When the required records are not available, however, the ancillary unit is assigned along with the main establishment on the basis of the main establishment's principal activity. When an ancillary unit not maintaining the required records is located away from the main plant in another municipality or province an attempt is made to get a separate return on an estimated basis. In all cases where a separate report is required from an ancillary unit, such ancillary unit as well as the main plant are considered as having independent existence, the transfer of products or services from the ancillary unit is treated as a sale and the receipt by the main unit is considered as a purchase of materials or services from other manufacturers.

Head Offices and Regional Offices. - Some firms maintain a head office and in some cases regional offices as well which are separate from the operating establishments. In reporting for a head office, firms are required to report only the number of employees, salaries and wages paid, office supplies and fuel and electricity used. If a firm's records permit, and in most instances they do, the head office or regional offices are treated as separate establishments and are assigned to the industry indicated by the principal activity of the firm as a whole. Some firms straddle main industry divisions, where in addition to manufacturing operations, they also maintain a central selling outlet or several wholesale units in different localities. In such cases, the firm is not considered to be an integrated unit leading to the wholesale activity but is treated as a manufacturing firm, and the head office is assigned to the same industry classification as the manufacturing plant. Where such a firm operates several manufacturing establishments in different industrial classifications, the head office employees and the other items reported are apportioned to the various establishments, usually on the basis of products made or shipped. When a head office or regional office forms part of a particular plant of the firm such a head office is not considered to be a separate establishment but is included in total with the operations of the plant where it is located. In all cases the head office is assigned to the locality where it is situated. If a firm in the pulp and paper industry, for example, had a head office in Montreal and several operating plants in other localities, the head office employees are credited to the pulp and paper industry in Montreal, even though no pulp and paper plants of any kind are located there.

Valuation of Production or Shipments. - For the purpose of calculating "net value of production" or "value added by manufacture" correctly, it is essential that all manufacturers report the value of shipments or of products made on a standard basis, such as for example, on the basis of the price that they would have received from independent wholesalers for the products made or shipped during the year. In practice, however, standardization of selling values is impossible without resorting to difficult methods of estimation, since firms use different channels of distribution. Some firms sell direct to wholesalers while others sell direct to retailers or industrial users and in some cases even sell direct to householders or ultimate consumers. Firms distribute their products in a number of ways. Some ship through a central warehouse which is charged only with the cost of production, the selling outlet being credited with all the profits made. In other cases some of the profit is credited to the manufacturing operation. The value of an identical unit of product reported to the annual census of manufactures thus varies in accordance with the methods of distribution used. To illustrate, let us assume that it costs one dollar to produce unit "A". Its value as reported could vary approximately as follows:

5	Shipped to a wholesaler	\$1.10
5	Shipped to a retail store	\$1.20
2	Shipped to an ultimate consumer	\$1.50
5	Shipped to a central warehouse at cost of pro-	
	duction	\$1.00
5	Shipped to a central warehouse where profits are	
	apportioned between manufacturing and selling	\$1.15

The values of shipments or products made as published in the present report are not uniform; they are a composite of different selling values as illustrated in the foregoing paragraph.

Some difficulty has arisen in recording the shipments of multiple unit firms that ship products from various plants to a central warehouse, located apart from any manufacturing plant, where the selling function of the firm is performed. In such cases goods leaving a plant are considered as being shipments under our definition even though the ownership still remains with the reporting firm. Such firms are considered as performing two distinct functions - (a) manufacturing, and (b) distributing and these two functions are treated statistically as if they were performed by two different organizations. In many cases no stock is held at the plant; consequently shipments and production reported on a plant basis are one and the same. We therefore are still getting production figures from firms that sell from a central warehouse. Where the manufactured products are billed to the warehouse, the firm is required to report the total of such billings during the year. In some cases, however, the production and distribution functions are treated in the accounting records as a unified operation with no billing of the warehouse for the products shipped to it. In such cases firms are instructed, if possible, to report the shipments on a cost of production basis, with a percentage mark-up for profits. The aim of the Division is to get companies to report their shipments on the same basis as if they were selling to an independent wholesaler.

Value Added by Manufacture. - Having received a return from all manufacturing establishments and the value of their products totalled, the question now is "What does this total mean?" The truth of the matter is that a total value of production for a group of industries or for all industries in a year has no significant meaning. To add the value of production of flour mills to that of the baking industry would give an inflated value of production since part of the flour which was sold to bakeries is valued twice, first as a product of flour mills and again in the value of bread. For example, if a flour mill produced \$1.00 worth of flour and sold it to a baker, the baker would use this dollar's worth of flour, and after further processing would sell it for \$2.14 according to the experience of the baking industry for 1954. According to the statistics obtained for that year, for every dollar's worth of materials used the products made were valued at \$2.14. When you add the production of these two establishments, you get a value of \$3.14. There is thus duplication where the products of one establishment become the raw materials of another establishment. However, in the present volume, the totals of gross value of production or shipments are shown as a matter of historical

A more meaningful indicator had to be evolved to measure the importance and wealth created by an industry or group of industries. This was found in the concept "value added by manufacture". This figure is obtained by subtracting the cost of fuel and electricity as well as the cost of materials used from the gross value of the products, and represents the values added to the materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for the payment of salaries and wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met, as well as profits. The value added by manufacture reported by the various industries can be added to produce a non-duplicating total for manufacturing as a whole. Being free of duplication within the manufacturing sector, value added figures are therefore more representative of the total value of manufacturing production than are gross value of production figures.

The concept of "net value" is also most useful in evaluating the relative importance of different industries as creators of economic wealth. Usually the gross value of production is used in ranking industries but this has the defect of overstating the contribution of industries that use expensive materials on which they perform little processing. The following table ranks the fifteen leading industries in 1954 on the basis of "gross" and "net" value of production.

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures, Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, Survey of Production.

	Selling value of factory shipments		Value added by manufacture	
	Amount	Rank	Amount	Rank
	\$'000,000		\$'000,000	
oulp and paper	1, 241.6	1	641.1	1
on-ferrous metal smelting and refining	922.6	2	352.0	2
etroleum products	909.3	3	309.8	3
laughtering and meat packing	837.5	4	157.7	9
lotor vehicles	666.3	5	176.5	8
awmills	572. 2	6	263.6	4
utter and cheese	412.2	7	99.4	24
rimary iron and steel	383. 2	8	217.5	5
ircraft and parts	343.0	9	181.4	7
iscellaneous food preparations	306.5	10	90.4	27
ailway rolling stock	283.4	11	116.7	18
read and other bakery products	280. 2	12	139.9	14
iscellaneous electrical apparatus and supplies	267.6	13	145.6	13
ubber goods (including footwear)	264. 2	14	149.0	10
Printing and publishing	256.7	15	182.9	6

On the basis of the various factors involved in determining an establishment, outlined in the preceding paragraphs, the definition of a manufacturing establishment may be summarized as follows:

The Establishments. — In most cases an establishment is a complete factory. Sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included, but plants occupied in assembling parts into complete units are included. Data for the annual census is collected on an establishment basis and in most cases a firm with more than one plant is required to file a report for each plant.

Period Covered. — Firms are asked to submit figures for the calendar year, if at all possible, and most report on that basis. Financial year reports, for periods differing from the calendar year, are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Employees. — Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level and clerical employees. Working owners and partners are also included in this category. The number reported is the average for the year.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piecework basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, warehousing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piecework etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

Salaries and Wages. — Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board

where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity. — Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases, unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc. When the rental paid includes heat and light, the value of fuel and electricity used is not reported.

Materials and Supplies Used. — Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants of reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments. — Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done, All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers and resold without further processing are not included, Values are computed on fo.b. plant or plant warehouse basis, and do not include sales tax or excise duties, Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories. — Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for murposes of reporting shipments.

Standard Industrial Classification. — The Standard Industrial Classification Manual, prepared by the Dominion Bureau

of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped. Some of the three-digit industries are further broken down into smaller industries at a four-digit level. At this level there are 169 distinct industries for which principal statistics are given in Table 11 of the 1959 General Review.

Subsection 2. Recent Changes in Methods

Four important changes have been made during the past few years in the methods of collecting and compiling the returns of the annual survey of manufactures. First was the adoption in 1949 of the Standard Industrial Classification. This new classification superseded the classification formerly used by the Bureau, which was based on the nature of the materials used by manufacturing establishments.

For most purposes, a classification of manufacturing industries based upon "chief component material" has in the past proved most useful in Canadian industrial classification. The Bureau's classification based on this concept has been the one most widely adopted for general purposes, such as the decennial census, foreign trade, industrial statistics, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of such a group as "Textile Products" comprised partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, which form final products such as pig iron, lumber or processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however, turning out more and more goods for final consumption, the combination of ingredients in such production becomes more and more complex. The modern automotive, aircraft, shipbuilding and electrical apparatus industries are examples in which a wide variety of materials must be assembled for the production of the final product. For this reason, the application of the component material classification became increasingly more difficult as Canadian manufacturing production developed and diversified.

In establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries, the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as Foods and Beverages, Clothing, Transportation Equipment, Electrical Apparatus and Supplies, have been established. Some industries were broken down, such as the electrical apparatus and supplies which now comprises five industries-(a) batteries, (b) heavy electrical machinery, (c) radios, television sets and parts, (d) refrigerators, vacuum cleaners and appliances, and (e) miscellaneous electrical products. In some cases, establishments were transferred from one industry to another in order to bring them in line with the new industries which were established. Where an industry was eliminated, the establishments were transferred to one or several industries, depending on the nature of the principal products manufactured. A check was also made of all establishments and many transfers were made where the major products of the establishment had changed materially during the years. By and large, little change was required for most industries, the only change being a transfer to the new major groups which were established.

In the Standard Classification adopted in 1949 the industries were grouped into seventeen major groups listed in Table 11, instead of the nine groups listed in Table 13¹ which were formerly used as the main basis of classification. The grouping used in Table 16. where the statistics of individual industries are presented in detail, and in the historical series shown in Table 7 is, therefore, on the basis of the new Standard Industrial Classification. However, to retain some basis of continuity with the past, there is a less detailed analysis

1 See the 1959 General Review.

given in Table 18 on the component material classification basis, while Table 19 gives the industries on the basis of the origin of the materials used.

The second major change was the adoption of the short form in 1949, which goes a long way in relieving small manufacturers from the irksome duty of filling in complicated and detailed returns to the Bureau.

The growing complexity of modern economic life compels governments to obtain more and more data on which to base their economic policies and for the efficient discharge of their responsibilities in the ever-widening field of activity. To get this information is expensive and also throws a burden on industry in general, which of necessity must be called upon to furnish the desired data. Realizing this, and also the fact that the necessary information must be secured, the Bureau has been casting about for new statistical techniques which would lessen the burden on industry and also would, at the same time, secure substantially correct data for the use of the administrator. With manufacturing statistics, unfortunately, the sampling techniques are difficult to apply. Other methods, therefore, had to be adopted in order to lessen the burden of the smaller manufacturer at least and, at the same time, secure substantially correct results. It was found, for example, that in 1949 out of 35,792 manufacturing establishments, 21,060 with a value of production of \$50,000 or less, contributed only 2.6 p.c. of the total value of production. On the surface it looked obvious that the Bureau could exempt these 21,000 establishments from making annual returns and still obtain satisfactory results. This would be true if we were only interested in the total value of production or the total value of materials used. This, however, is not the case, as the users of the statistics are also interested in the details of the products made and the materials used. By a study of each industry it was found that by exempting the smaller establishments in some industries, that for some commodities produced or materials used there would be a 50 p.c. loss of the total. Complete exemption was therefore out of the question. New methods had to be designed to relieve small establishments of the difficult task in furnishing information. A study was therefore made of each industry classification, of which there are about 200, and different cut-off points were determined for different industries. The general rule adopted was that wherever possible establishments with a value of production of less than \$50,000 per annum should only be required to furnish that one figure to the Bureau, and that on the basis of the information received from the smaller establishments in 1948, the last year for which they were required to furnish complete details, the Bureau would estimate for each small establishment individually the number of employees, salaries and wages paid, as well as the value of materials used. This is done in order to have a hollerith card for each establishment to use in the compilations on a geographical basis. In addition to the principal statistics, details of materials used and products made by the short-form firms are also made for each industry, by province. These estimates are based on the detailed statistics supplied by the small establishments in 1948. These estimates cannot be far out, as in most industries the percentage that these smaller establishments contribute to the total for the industry is only from 10 to 20 p.c. Where it was found that there would be a great loss in commodity data, instead of asking only for the gross value of production, the smaller firms were required to fill in a shorter form which lists the commodities in which there would be a substantial loss if no information was obtained from small firms. In other cases the cut-off point was reduced to \$25,000 or \$15,000.

A third important change was made, commencing with the compilation of the 1952 annual census of manufactures. A shipments concept instead of the value of production statistics heretofore compiled was adopted for a large number of industries where it was known that inventory changes from year to year were only of a minor nature. The concept was not changed for industries known to experience wide fluctuations in inventory holdings, pending further study for the need of both production and shipments information. By 1954 the shipments concept was implemented for almost all industries. Industries for which production statistics are still required are asked to report the detail of products made in physical quantities only and at the same time are required to report details of their shipments. giving both the quantity as well as the selling values at the plant. In a few industries such as sawmills, veneer and plywood, etc., production statistics only are still collected, the products made being valued on the basis of average selling prices during the current year.

The aim of the new Census of Industry schedule is to ease the burden of filling out Bureau questionnaires. The value of shipments concept for small and medium sized establishments is more realistic and more readily obtainable from the accounting records of firms, whereas the value of products made, for firms not recording such information, must be derived from special calculations. The value of shipments provides a standard basis of reporting for all establishments. Under the old system some establishments reported the value of products made and others the value of factory shipments, even though the schedule required products made to be reported. This was especially true for small and medium sized establishments. Further, a great number of firms, attempting to report production values to fulfil the requirements of the old questionnaire, in fact computed their cost of production rather than their selling value, as they were supposed to. Since the value of shipments is usually carried in the firm's accounts, the work of filling out reports should be lessened and the questionnaire should as a result be filled out more promptly. The change should ease the burden for small establishments in particular, since the value of sales is readily available from their accounting records.

Under the "value of products" concept, establishments were required to report the factory selling value of the products made, whether sold or not, the unsold portion being assigned the average selling value of similar articles sold during the year. Where no selling values were available for the unsold portion estimated values had to be assigned. Under the new concept establishments are required to report their sales during the year, regardless of when the products were made.

These two concepts give different results, the first gives the value of products made and the second the value of products sold. For a large number of industries where normally there is no significant changes in the opening and closing inventories of finished products, these two sets of figures may be used interchangeably as they both reveal more or less the value of production and are, therefore, comparable with figures for previous years. There are, however, a number of large key industries with substantial changes in their opening and closing inventories. In such industries the new concept gives quite different results to that obtained formerly. To get comparable figures, the shipments figures must be converted to a production basis by adjusting for inventory change.

The change to the new concept solved the problem of uniformity of reporting inasmuch as the smaller firms who previously were reporting shipments instead of production are now reporting correctly. However, the new method has created other problems, One of these is the calculation of "value added by manufacture," which is obtained by subtracting from the value of production the cost of materials used, including the cost of fuel and electricity. Since the value of production is not now being reported, it has to be calculated by using the following formula.

"Shipments plus closing inventory of finished products and goods in process minus the opening inventory of finished products and goods in process equals value of products made."

In order to enable the Bureau to calculate "value added," it became necessary to ask firms to report their opening and closing inventories, broken down into (a) raw materiais, (b) goods in process, and (c) finished products. These questions were added to the form for the 1954 census. As the schedules for 1952 and 1953 did not contain data on opening and closing

inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added by manufacture is obtained by subtracting from the shipments the cost of materials used, including fuel and electricity. Ideally the inventory adjustment should be on a "value of the physical change" basis rather than the "change in book value". Fowever, it has not been possible to introduce these refinements at the present time.

The fourth change was the adoption of the Revised Standard Industrial Classification which was used in compiling the manufacturing statistics for 1960. The main feature of the revisions was the classification of manufacturing industries into twenty main groups in place of the eighteen groups formerly used. Furniture and fixtures was established as a new group while the Iron and steel products and Non-ferrous metal products groups were rearranged into three groups as follows:

- (a) Primary metal industries
- (b) Metal fabricating (excluding machinery and transportation equipment)

(c) Machinery industries (excluding electrical machinery)

Individual industries in the Primary metal industries group can be distinguished between Iron and steel and Nonferrous metals, but in the metal fabricating group no such distinction is possible, Developments in metallurgical processes and the use of alloys have resulted in alloy steels and non-ferrous alloys being used interchangeably for many purposes so that individual establishments and industries cannot now be classified on the basis of type of materials used, Also the machinery industries have become sufficiently important to constitute a major group which is both distinctive and homogeneous.

The S.I.C. in effect prior to 1960 provided for a separate Coke and gas industry as part of the Products of petroleum and coal group. This industry included, in addition to gas plants operated as utilities, those coke plants operated as divisions of (a) chemical plants and (b) wholly integrated steel mills. The new S.I.C. implemented in 1960 consolidated these divisional coke operations with the major activity in the appropriate industry and at the same time transferred the gas plants operated as utilities out of manufacturing to the Electric power, gas and water utilities group. The net effect of these changes was the complete abolition of the Coke and gas industry as a separate industry in the new S.I.C.

The consolidation of the divisional coke operations mentioned above, particularly those operated by the wholly integrated steel mills, had a major impact on the overall cost of materials reported on the revised S.I.C. Under the old S.I.C. basis, coal which accounted for the major material cost in the old Coke and gas industry was, in effect, double counted, once as coal in the Coke and gas industry and again as coke in the Primary iron and steel industry. This double counting of coal was eliminated by the consolidation of these coking operations in accordance with the revised S.I.C. Under the latter concept the coke previously reported separately as part of the material cost in the old Primary iron and steel industry is treated as an intermediate product of the steel mills and, accordingly, cost of same is not recorded. The effect of this treatment is a reduction in the overall cost of materials under the revised S.I.C.

The main differences between the revised and old classifications can be summarized as follows:

Foods, Beverages

Poultry processors are added as a separate industry. Under the old classification only the poultry processed by slaughterers and meat packers was included in the annual survey of manufactures. Now all establishments primarily engaged in killing, dressing, packing or canning poultry are included with manufacturing.

Vegetable oil mills are transferred to this group, Formerly they were included with Chemicals and allied products.

Textile Industries

Fibre preparing mills are constituted as a separate industry. These establishments were formerly included with:

Miscellaneous cotton goods Miscellaneous woollen goods Miscellaneous textiles

Pressed and punched felt mills are constituted as a separate industry. These establishments were formerly included with:

Miscellaneous woollen goods Miscellaneous cotton goods

Thread mills now include all establishments producing thread, regardless of the nature of the fibre used. Formerly only manufacturers of cotton thread were included with the Cotton thread industry.

The former Miscellaneous cotton goods and Miscellaneous woollen goods industries have been discarded.

The establishments of Miscellaneous cotton goods were transferred mostly to Fibre Preparing mills and Pressed and punched felt mills.

The establishments of Miscellaneous woollen goods were transferred mostly to Woollen cloth mills and Pressed and punched felt mills.

Clothing Industries

Fur dressing and dyeing was transferred to the Miscellaneous group of industries.

Wood Industries

Furniture industry was transferred from this group to the new group: Furniture and fixtures industries.

Furniture and Fixtures Industries

This group now includes the old Furniture industry plus establishments manufacturing furniture that were formerly included with the metal and miscellaneous industries groups. This group is now composed of the following industries:

- (a) Household furniture
- (b) Office furniture
- (c) Other furniture industries
- (d) Electric lamp and shade industry (formerly included with the Miscellaneous Group of industries).

Printing, Publishing and Allied Industries

Publishers of non-commercial periodicals, such as institutional publications, constituting over 1,000 reporting units are now excluded from the manufacturing sector. Included now, however, are publishers (only) of books which were formerly excluded.

Electrical Products Industries

- 1. Eight industries were established in place of the five industries formerly used.
- 2. In general, the new S.I.C. industry, Manufacturers of electrical industrial equipment, compares to the old S.I.C. industry. Heavy electrical machinery and equipment.
- 3. In the new S.I.C. two new industries, Manufacturers of household radio and television receivers and Communications equipment manufacturers are a split of the old S.I.C. industry, Telecommunications equipment. There is one significant change in the group in the transfer of manufacturers of telephone equipment from the old S.I.C. industry, Miscellaneous electrical products to the new S.I.C. Communications equipment manufacturers.
- 4. Also in the new S.I.C. two new industries, Manufacturers of small electrical appliances and Manufacturers of major appliances (electric and non-electric) take the place of the old S.I.C. industry, Refrigerators, vacuum cleaners and appliances. The significant change here is the transfer of Manufacturers of washing machines and sewing machines from the old S.I.C. industry, Household, Office and store machinery, and Stoves, electric and non-electric, from the old S.I.C. industry, Heating and cooking apparatus to the new S.I.C. industry, Major appliances (electric and non-electric).
- 5. Another new S.I.C. industry, Manufacturers of electric wire and cable was split out of the old S.I.C. industry, Miscellaneous electrical products.
- 6. The industry Battery manufacturers in the new S.I,C. is unchanged from the old S.I.C. industry, Batteries, except for the change in title.

The following changes were made in the Metal and machinery industries;

Revised Classification

Primary metals

Iron and steel mills Steel pipe and tube mills Iron foundries Smelting and refining Aluminum rolling, casting and extruding Copper and alloy rolling, casting and extruding Metal rolling, casting and extruding, n.e.s.

Metal fabricating industries (excluding machinery industries)

Boiler and plate works Fabricate structural metal industry Ornamental and architectural metal industry Metal stamping, pressing and coating industry Wire and wire products manufacturers (excluding electric wire and cable) Hardware, tool and cutlery manufacturers Heating equipment manufacturers1

Machine shops2 Miscellaneous metal fabricating industries

Machinery industries (excluding electrical machinery)

Agricultural implement industry Miscellaneous machinery and equipment manufacturers Commercial refrigeration and air conditioning equipment manufacturers

Office and store machinery manufacturers

Old Classification

Iron and steel products

Agricultural implements Boilers, tanks and plate work Bridge and structural steel work Castings, iron Hardware, tools and cutlery Heating and cooking apparatus Machinery, household, office and store Machinery, industrial Machine shops Machine tools Primary iron and steel Sheet metal products Wire and wire goods Miscellaneous iron and steel products

Non-ferrous metal products

Aluminum products Brass and copper products Jewellery and silverware³ Non-ferrous metal smelting and refining White metal alloys Miscellaneous non-ferrous metal products

Domestic stoves and ranges now included with Manufacturers of major appliances in the Electrical products group.
 Transferred to Miscellaneous group of industries.

Non-metallic Mineral Products Industries

The Salt industry which was formerly considered both as mining as well as manufacturing is now considered only as a mining operation and has therefore been transferred to the Mining sector.

Petroleum and Coal Products Industries

Absorption plants transferred from the Petroleum refining industry to the Mining sector.

Chemical and Chemical Products Industries

The revised classification provides for a breakdown of the Chemical group into ten separate industries under the new title of Chemical and chemical products industries. This corresponds generally to the group formerly presented as Chemicals and allied products, except for the Vegetable oils industry which was transferred from the Chemical group to the Food and beverage industries group. The implementation of the new classification introduced a number of intra-industry changes, as follows;

- 1. Transfer of the Vegetable oils industry to the Food and beverage industries group.
- 2. Transfer of firms manufacturing fertilizer materials, such as ammonium nitrate, ammonium phosphate, etc., from the Fertilizers industry (old basis) to the new S.I.C. industry Manufacturers of industrial chemicals, Manufacturers of superphosphate will continue to be classified to the new S.I.C, industry, Manufacturers of mixed fertilizers, along with firms manufacturing mixed fertilizers.
- 3. The abolition of the Coal tar distillation industry, the Compressed gases industry, the Adhesives industry and the Polishes and dressings industry as separate industries. Details formerly presented for the Compressed gases industry will now be included as part of the new S.I.C. industry, Manufacturers of Industrial chemicals. The remaining three industries will be included in the new S.I.C. industry. Other chemical industries, n.e.s.
- 4. Details relating to the manufacture of writing inks will now be included as part of the new S.I.C. industry, Other chemical industries, n.e.s.; printing inks will be covered separately in a new subdivision, Manufacturers of printing inks
- 5. Statistics relating to the manufacture of synthetic rubber, previously included in the Miscellaneous chemical

products industry (old basis) will now be included in the new S.I.C. industry, Manufacturers of Industrial chemicals.

- 6. Data relating to the manufacture of explosives, previously presented in the Miscellaneous chemical products industry (old basis) are now to be shown separately in a new S.I.C. industry. Explosives and ammunition manufacturers.
- 7. Changes in the following industries resulting from the implementation of the new S.I.C. may be generally considered as minimal. Manufacturers of pharmaceuticals and medecines (formerly the Medicinal and pharmaceutical preparations industry): Paint and varnish manufacturers (formerly the Paints, varnishes and lacquers industry); Manufacturers of soan and cleaning compounds (formerly the Soaps, washing compounds and cleaning preparations industry); Manufacturers of toilet preparations (formerly the Toilet preparations industry).

Miscellaneous Industries

Dental laboratories added as a new industry for the first time

Venetian blind manufacturers now forms a separate industry. Formerly classified with Miscellaneous wood in-

Fur dressing and dyeing transferred from the Clothing industries to this group.

Jewellery and silverware transferred from the Non-ferrous metal products to this group.

Electric lamp and shade industry transferred from this group to the Furniture and fixtures group.

The changes in classification listed above, the addition of new industries and the transfer of industries from manufacturing to other sectors of the economy, make it extremely difficult to compare the manufacturing statistics compiled on the revised classification basis with those compiled on the old basis. In order to get comparability for 1960 figures with those for back years, the statistics of manufactures have been recompiled on the new basis back to 1957. In order to serve as a guide for revising the figures for total manufacturing for back years, the following tables indicate the major adjustments made in changing to the revised basis. Although adjustments can be made for manufacturing as a whole on a more or less comparable basis for back years, for some of the major groups, however, this is impossible without a complete recompilation of the individual returns

Reconcialiation of the Revised Manufacturing Statistics for 1959 on the New Standard Industrial Classification Basis. with the Statistics Previously Published on the Old Standard Industrial Classification Basis.

	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
1959 — Unrevised	36, 193	1, 303, 956	5, 073, 073, 706	12, 552, 200, 543	23, 311, 601, 481
1959 — Revised	35, 075	1, 300, 765	5, 062, 744, 615	12, 496, 864, 441	23, 204, 208, 671
Difference (Minus)	1, 118	3, 191	10, 329, 091	55, 336, 102	107, 392, 810
Industries removed from the manufacturing sector:					
Salt (transferred to Mining)	15	926	3, 903, 318	3, 419, 626	20, 224, 407
Absorption plants (transferred to Mining)	15	474	2, 581, 722	7, 169, 778	17,690,408
Publishing (only) or periodicals ¹	1,041	1, 250	2, 464, 456	10, 523, 207	12,833,060
All other industries ²	47	541	1, 379, 595	34, 223, 491	56, 644, 935
Total	1, 118	3, 191	10, 329, 091	55, 336, 102	107, 392, 810

Non-commercial periodicals such as house organs etc. have been discarded.
 See text onpage 13 for the explanation of the reduction in the cost of materials and value of factory shipments. About \$47,000,000 of the loss in the value of shipments is accounted for by the disappearance of coke as a commodity.

Reconciliation of Revised 1960 Manufacturing Statistics with the Revised Figures for 1959.

	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments	
	number		dollars			
Manufacturing statistics, 1960	36,682	1, 294, 629	5, 207, 167, 393	12, 705, 070, 820	23, 747, 457, 083	
Less new industries added in 1960:						
Poultry processors	245	4, 764	11, 297, 426	99, 437, 265	119, 235, 468	
Dental laboratories	499	1,720	6, 736, 498	2, 690, 692	12, 114, 820	
Total deduction	744	6, 484	18,033,924	102, 127, 957	131, 350, 288	
1960 — Net	35, 938	1, 288, 145	5, 189, 133, 469	12, 602, 942, 863	23, 616, 106, 795	
1959 - Net	35, 075	1, 300, 765	5, 062, 744, 615	12, 496, 864, 441	23, 204, 208, 671	
Difference between 1960 and 1959	+ 863	- 12,620	+ 126, 388, 854	+ 106, 078, 422	+ 415, 29 8, 124	
Percentage difference	-	- 1, 0	+ 2, 5	+ 0.8	+ 1,8	

Subsection 3. Methods and Forms Used in Collecting and Compiling the Census of Manufacturing for 1958, 1959 and 1960

Procedures Followed in 1958

Since 1949, as already mentioned, establishments with sales of \$50,000 or less were not required to report details of employment, salaries and wages paid, materials used, products shipped, fuel and power consumed, etc. In some industries the cut-off was \$25,000, going as low as \$15,000 for clothing contractors. In most cases these small establishments were required to report only the value of products made or shipped. In the case of a number of industries respondents were required to report some detail of products made or sold. On the basis of the selling value of factory shipments in the year under review estimates were made of all the principal statistics, including inventories, fuel and electricity consumed, monthly employment of production workers, etc. The estimated statistics for the small establishments were then combined with the totals reported by the larger establishments so that the figures published in the present report are the totals for manufacturing as a whole

For 1958 another full census was taken. For that year all small establishments were required to furnish some detail on employment, salaries and wages paid, materials used, products shipped, etc., although the detail requested was not as elaborate as in the regular long form, the cut-off for this special form for small firms in most cases being raised to \$100,000. The data for 1958 will serve as bench-marks for estimating missing detail of the smaller establishments which for 1959 and subsequent years will again be required to furnish one figure only, viz. selling value of factory shipments, with some detail on products shipped.

A facsimile of the forms used for the 1958 survey is given in Appendix III of the 1958 report. These "General Schedules" for both large and small establishments do not show the details of materials used or products made or shipped. However, both the short and long forms used for each of the 175 or so individual industries did have this detail printed on each form. Every respondent, therefore, knew exactly what details to report, so that statistics on products manufactured or sold given in Appendix II refer to the total manufactured as reported by both large and small establishments. Nevertheless it should be pointed out that there is some element of incompleteness in some of the items in the Alphabetical List of Products, since in the returns of many manufacturers, products of minor importance of each particular establishment are not reported separately but are grouped under the item "all other products". See also paragraph further on, re "Selling Value of Factory Shipments".

The definition of each item of the principal statistics as published in the present review appears on page 11 and 12. The survey of manufactures for 1958 was made in accordance with these definitions. In the following paragraphs an explanation is given as to coverage and methods used in calculating the detail not reported by the small establishments completing the short form.

Establishment. — The number given is the total of all establishments both large and small, considered as coming within the manufacturing sector in accordance with the definitions of the Standard Industrial Classification used for the 1958 survey of manufactures.

Employees. - The total was obtained by adding three classifications of employees, (a) working proprietors for unincorporated establishments, (b) administrative and office employees and (c) production workers. The number reported under (a) and (b) is the average for the year. The number of production workers under item (c) is the average of the number reported as being employed during the last pay period of each month. In every case the monthly figures are divided by twelve to obtain an annual figure. This is also done in the case of seasonal industries working only a few months during the year. When an establishment for example reported 12 production workers in May, 20 in June and 4 in July, the average number of production workers for such an establishment would be 3 (20+12+4 divided by 12). If the establishment in the above example also reported one working proprietor and one office employees, the total number of employees would be 5. Since working proprietors are grouped with administrative and office employees, such an establishment would be considered as having 2 administrative and office employees and 3 production workers. The above treatment applies to all the establishments reporting on the long form. In the case of the smaller establishments reporting on the short form the three-way break down was the same. In all three categories the number employed during the last pay period in May, 1958 was required to be reported.

It should be noted that small establishments thus reported only one figure for production workers as against the monthly figures reported by the larger establishments which were averaged by dividing by 12 to obtain an annual figure.

In the case of several seasonal industries such as fish processing and fruit and vegetable preparations the number employed by small firms at the end of May was not taken as the number employed for the year. In these cases the number

employed was calculated separately for each establishment on the basis of the amount of wages paid during 1958. The calculation was based on the average annual wage reported by the large establishments. If it was found for example that the average annual wage of the large establishments was \$1500 and the amount of wages paid for the year by a small establishment was \$7500 the number of employees for this establishment was taken as 5, regardless of the number reported as being employed during the last pay period in May, 1958.

Monthly Employment of Production Workers. - Since the smaller establishments reported only the number employed during the last pay period of May, 1958, the figures on monthly employment of production workers given in Tables 34 and 35 refer to the number reported by the larger establishments only. In the case of some seasonal industries where the smaller establishments comprise a significant proportion of the total, the trend of employment would be flattened out by adding to each of the monthly figures reported by the larger establishments the number as at the end of May reported by the smaller establishments. This was done in the case of Table 33 which gives total employment by months of both large and small establishments. For manufacturing as a whole this method does not seriously detract from the actual seasonal trend of employment since the numbers reported by the smaller establishments at the end of May accounted for only 4.2 per cent of the total for male and 3.8 per cent for female production

In any case the monthly employment of the larger establishments only are given in each case together with the end of May figure reported by the small establishments. Two methods are thus available in measuring seasonal movements of employment. The first method is to use only the monthly figures of the large establishments and the second method is to add to these monthly figures the numbers reported as at the end of May by the small establishments.

Salaries and Wages. — The figures are the total of both large and small establishments. The break down in the three classes of employees given in the preceding paragraph was the same for all establishments and the earnings reported are the gross earnings for the calendar year 1958, which include bonuses, overtime earnings and the value of room and board when provided, deduction from employees for income tax and for social services, such as sickness, accident insurance, pensions, etc.

Cost of fuel and electricity Used. — The figures are the totals of both the large and small establishments since all establishments were required to report separately (a) the total value of fuel used and (b) the cost of electricity purchased, including service charges.

Details of Various types of Fuel Used.—Only the larger establishments were required to report this detail. The figures published in Tables 64 and 65, therefore, cover only the larger

establishments since no estimates of detail were made for establishments receiving the short form. Of the total value of fuel used amounting to \$328,155,960 for manufacturing as a whole, over 98 per cent was reported by the large establishments.

Kilowatt Hour Consumption. — Since small establishments were required to report only the value of purchased power, estimates were, therefore, made of the K.W.H. consumption of these establishments. These estimates are based on the cost per K.W.H. reported by the large establishments which for manufacturing as a whole in 1958 amounted to .467 cents per K.W.H. As in the case of fuel, the value of purchased electricity by small establishments was less than 2 per cent of the total for manufacturing as a whole. It was also assumed that no power for own use was generated by small establishments. The estimates on K.W.H. consumption was not made on each return but in total for each industry group and province. The figures on value of fuel and power consumption given in Table 61 are totals for all establishments.

Opening and Closing Inventories.— The questions on opening and closing inventories were the same for both large and small establishments with the larger establishments only being required to give additional information on opening and closing inventories, not held at the reporting plant or plant warehouse, but held in owned or rented warehouses elsewhere, in transit or consignment. The figures on inventories given in Table 32 are total figures for both large and small establishments, since in most cases small establishments would hold their inventories at one location and would not be too seriously involved with goods in transit or on consignment.

Power Equipment. — The figures published in Table 63 are totals for all establishments since this question was the same for both large and small establishments.

Selling Value of Factory Shipments.— The figures on selling value of factory shipments appearing in the tables of this report are totals for all establishments. The details of the various products shipped by each industry as well as the figures given in The Alphabetical List of Products Manufactured in Canada contain a certain element of incompleteness.

In order to relieve the smaller establishments to some extent from the onerous task of reporting details of all their products, a study was made for each industry for the purpose of evaluating the commodity loss which would result if the smaller establishments would omit details of shipments of the minor commodities produced by them. The list of commodities to be reported by the smaller establishments was determined by these studies. To illustrate this point we will assume that Industry X produced six different commodities a, b, c, d, e and f and that the smaller firms produced only minor amounts of commodity b and c. Commodities b and c were therefore omitted from the short form and the section on commodities produced or shipped by industry X would appear as follows on the forms.

Small establishments			Large establishments				
	Quantity	Value		Quantity	Value		
Commodity A D E			Commodity A B C D E				
All other commodities Total value of products shipped	xxxxx		All other commodities Total value of products shipped	xxxxx			

GENERAL REVIEW

By studying the question on products shipped by Industry X it becomes readily apparent that the figures for commodities b and c are somewhat short of the actual total, viz. to the extent of the quantity shipped by the smaller establishments and for which they were not required to give details and which they included with the item "All other Commodities". This omission does not, however, seriously detract from the completeness of the commodity detail published for each industry or of the "Alphabetical List of Products Manufactured in Canada", shown as Appendix II of this report, since the loss as revealed by the industry studies is of only a minor nature

Levels of Valuation of Factory Shipments. - See paragraph on Valuation of Production or Shipments on pages 11 and 17.

Materials Used. — The figures on the value of materials used are totals for both large and small establishments. For a definition of this term see paragraph on "Materials and Supplies Used" page 11. The remarks above on the incompleteness of the statistics for the various products produced or shipped by different industries apply equally to materials used.

Procedures Followed in 1959 and 1960

As mentioned previously, small establishments since 1959 were again required to report only one figure, viz. selling value of factory shipments. This applied, by and large, to all small establishments with shipments of \$100,000 or less. There were, however, some exceptions to this rule. In the case of a number of industries the small establishments were required to give some detail of products shipped. See Appendix III for a facsimile of the form used in such cases. Another innovation was introduced in 1959; the adoption of a separate form for medium-size establishments that as a rule had annual shipments of \$100,000 to \$500,000. The medium-size form differed from the long form in the following respects:

- 1. Less detail of materials used and products shipped.
- Report of production workers every quarter instead of monthly.
- No details of fuel used or the number of K.W.H. consumed.
- 4. Less detail of inventory held.

These changes necessitated the adoption of estimating techniques in arriving at total statistics for each industry, as follows:

Principal Statistics. — Since small establishments reported only the value of shipments, estimates had to be made of the number of employees, salaries and wages paid, cost of fuel and electricity consumed, value of materials used, etc. The basis of the estimates were the statistics furnished by each small establishment in 1958. The percentage variation in the value of shipments since 1959 as compared with 1958 was

applied to the salaries and wages paid, cost of materials used as well as the cost of fuel and electricity reported in 1958. The number of employees was then estimated on the calculated salaries and wages paid in 1959 and 1960. Where the change was small no change was made in the number of employees, but where the change in 1959 and 1960 was substantial the number of employees was adjusted accordingly in the light of annual wages paid by the industry and the locality.

Number of Production Workers Employed. — The method used was the same since 1959 as for 1958. This is outlined on page 16 in the paragraph headed "Employees". Due to the adoption of the medium-size form the estimating procedure had to be altered in order to arrive at the annual employment figures of production workers in each industry. For the small establishments the number of production workers was calculated as outlined in the preceding paragraph. For establishments reporting on the medium-size form the number of production workers was obtained by dividing by four the sum of the quarterly employment figures reported, while for the large establishments the sum of the monthly figures were divided by twelve to arrive at an annual figure. These three figures were then added to arrive at an industry total.

Monthly Employment of Production Workers. — Separate tabulations were made for the small, medium-size and large establishments. To arrive at the monthly totals shown in Table 33 the following method was used. To illustrate, let us assume that industry X consisted of one small, one medium-size and one large establishment that reported the following figures.

	Large establishment	Medium-size establishment	Small establishment ¹	All establishments
January	6,656			6,884
February	6,392			6,711
March	6,565	317		6,884
April	6,957			7,521
May	7,386			7,950
June	8, 228	562		8, 792
July	8,420			8,635
August	8, 194			8, 409
September	7,793	213		8,008
October	7, 296			7,415
November	6,627			6,746
December	5,949	117		6,068
Annual average	6,702	101	2	6,805

¹ Calculated number is 2.

January total is(6, 565	+	317	+	2)	=	6,884
February total is(6, 392	+	317	+	2)	===	6,711
March total is(6, 565	+	317	+	2)	=	6,884
April total is(6,957						
Annual total is(6, 702	+	101	+	2)	=	6.805

Cost of Fuel and Electricity and K.W.H. Consumption.— since 1959 the medium-size establishments reported separately the cost of fuel and electricity while the small establishments did not supply any information at all. The total cost of fuel and electricity consumed by small establishments was therefore, estimated on the basis of the 1958 figures reported by the small establishments, adjusted for changes in the selling value of factory shipments in 1959 and 1960 as compared with 1958. The break-down of the total cost of fuel and electricity used by small establishments was then estimated on the basis of the proportions of fuel and electricity reported in 1958. Since medium-size and small establishments did not report

K.W.H. consumption, estimates were made on the basis of unit costs reported by large establishments. A total was obtained by adding the group estimates. This calculated total was then apportioned provincially on the basis of the percentage of the total cost of electricity reported by each province. The figures for 1958, 1959 and 1960 given in Table 61 were calculated on this basis.

No estimates were made of the various kinds of fuel used by small and medium-size establishments. The figures given in Tables 64 and 65 for 1958 to 1960 refer only to large establishments which reported 95.2 p.c. of the estimated total for all establishments.

Subsection 4. General Review of the Manufacturing Industries of Canada, 1945-59

Significant changes in the nature of manufacturing production place during the 1945-59 period. Emerging in the late 1930's from a depression almost world-wide in scope, the manufacturing industries of Canada entered a period of rapid growth which continued with little interruption throughout the war and postwar years. The problem confronting business economists is to determine how much of the postwar industrial 'drive' was caused by normal growth factors and how much was caused by the backlog of war-accumulated demand. While it is true that the greatest demand accumulation took place in housing and consumer durable goods, non-durable goods such as textiles and clothing also started the postwar period with sizable backlogs of unfilled demand. It is now apparent, after the vigorous pace of business which followed the outbreak of hostilities in Korea in 1950, that a considerable portion of this demand has been satisfied and that some industries, notably textiles, clothing, agricultural implements and certain major appliances, are experiencing difficulties. However, over-all prospects for the near future appear quite favourable. The high level of capital investment during the past few years which greatly increased productive capacity is beginning to be reflected in current production statistics. Large expansion and development programs are still under way in iron ore, aluminum and other metals, oil, chemicals, electric power and in a number of other industries. In addition, Federal Government expenditures for national defence should continue to exert some influence on the economic picture.

In this review the changes in the nature and extent of manufacturing production since the end of World War II are measured by the number of persons employed, salaries and wages paid, and indexes of physical volume of output.

Changes in Employment. — With respect to employment, the most notable feature is the relatively small increase of 15.6 p.c. in the number of persons employed in manufacturing as a whole since 1945 as compared with the 61.2 p.c. increase in the volume of production during the same period. Thus, the average annual increase in employment was approximately 1.0 p.c. as against a 4.0 p.c. increase in output volume. The trend in recent years for the same amount of goods to be produced with fewer employees is being progressively accelerated. As the following figures show, the relatively larger increase in volume than in number of employees was 3.9 p.c. during the 1945-49 period, 13.7 p.c. during the 1949-54 period and 18.6 p.c. during the 1954-59 period. The over-all efficiency increase during the fifteen years was 39.4 p.c.

Period	Employees	Volume of production	Efficiency of production
	No.	p.c.	p.c.
1945 - 49	+ 3.6	+ 7.6	+ 3.9
1949 - 54	+ 8.1	+ 22.9	+ 13.7
1954 - 59	+ 2.8	+ 21.9	+ 18.6
1945 - 59	+ 15.6	+ 61.2	+ 39.4

The advance in efficiency is even more pronounced when the number of production workers in manufacturing are considered separately from office and administrative employees. Between 1945 and 1959 there was an increase of 6.6 p.c. in the number of production workers and of 59.4 p.c. in the number of office and administrative employees. Therefore, since the increase in volume of output was 61.2 p.c., the efficiency of production

workers increased 51.2 p.c. during the period as compared with an increase of 39.4 p.c. for all employees.

Year	Production workers	Adminis- trative and office employees	Total (excl. Nfld.)
	No.	No.	No.
1945	928,665	190,707	1, 119, 372
1959	990, 361	303,975	1,294,336
Percentage change	+ 6.6	+ 59.4	+ 15.6

There are several reasons why the number of office employees has increased faster than the number of production workers. As already stated, productivity per production worker is much higher than it was fifteen years ago. Also fluctuation in numbers of workers in periods of changing demand is minimized by a growing tendency to put production workers on part time during periods of curtailed production and to attain through overtime work part of the extra volume required during periods of expanding production. The number of general office workers also remains fairly static in the face of fluctuation in output but this category includes professional and technical employees, the number of whom has been increasing rapidly with the expansion in manufacturing production. As an establishment increases in size, it performs more and more of the functions which, when it was smaller, were conducted by independent specialists outside the manufacturing field. For example, an establishment, as it becomes larger, may decide to do its own selling rather than sell through wholesalers. without increasing the number of production workers, the office staff is increased to include a sales manager, salesmen and additional clerks. Other administrative functions, such as research and advertising, are being done increasingly by internal staff, also adding to the number of office and administrative employees without corresponding addition to the number of production workers.

All provinces, with the exception of Prince Edward Island, Nova Scotia and New Brunswick, reported increased employment in manufacturing during the 1945-59 period. Alberta led in this respect with an increase of 83.9 p.c. followed by Ontario with an increase of 18.9 p.c. These were the only provinces that had a greater increase than the Canadian average of 15.6 p.c. British Columbia reported an advance of 15.0 p.c., Manitoba 12.5 p.c., Quebec 12.3 p.c., and Saskatchewan 7.9 p.c. Nova Scotia, New Brunswick and Prince Edward Island reported declines of 15.7 p.c., 7.0 p.c., and 4.4 p.c., respectively.

An outstanding feature was the tremendous advance made by Alberta in the production of chemicals, especially petrochemicals, fertilizers, and other new inorganic products such as caustic soda and chlorine. Sizable gains were also made by the food-processing industries and many factories were constructed for producing building materials, transportation equipment, paper products and textiles. This expansion resulted in a great increase in employment in manufacturing, which was more than five times the increase for Canada as a whole.

Changes in Salaries and Wages. — Inter-industry and year-to-year variations in average earnings result from a variety of causes: the length of the standard work week; the number of casual and part-time workers and the hours they worked in the reported week; amounts of overtime worked, and time lost through absenteeism, labour turnover, industrial disputes, lay-offs, etc.; differing occupational requirements; and varying proportions of men and women.

Differences in average earnings are related to the distributions of employees in industries or areas where pay levels vary from the average because of variations in basic pay rates, in sex and occupational distributions, in amounts of bonus or commission payments, in levels of activity, etc. The earnings of salaried men are substantially higher, on the average, than those of other categories, mainly because their numbers include relatively highly paid managerial and professional workers. Women's earnings are generally well below those of men in the same industries, chiefly because of pay and occupational differences, the greater incidence of part-time work and absenteeism among women, and their higher proportion of younger and less experienced workers.

Salaries and wages paid by Canadian manufacturing industries in 1959 totalled \$5,073,073,706, an increase of \$3,227,300,257 or 175 p.c. over 1945, and average annual earnings per employee rose from \$1,649 to \$3,891 or 136 p.c. during the period. Annual earnings of production workers advanced 131 p.c., while those of office employees rose 128 p.c., narrowing the gap between the annual earnings of these groups. In 1945 annual earnings of production workers were 70.2 p.c. of the earnings of office employees and by 1959 the percentage had advanced to 71.0

There was also a change in the proportion of female workers engaged in manufacturing. During the war years, owing to the shortage of manpower, the proportion went up and by 1945 reached 27.7 p.c. but by 1949 it had dropped to 24.0 p.c. and by 1954 to 22.6 p.c.; in 1959 it rose again slightly to 22.8. In comparing annual earnings of one industry with another, the proportion of female workers employed by each must be considered since female workers as a group are paid lower wages than male workers. Industries made up of a large number of small establishments and in which the proportion of female workers is high consequently have lower average annual earnings. Cotton yarn and cloth, fruit and vegetable preparations, women's factory clothing, leather footwear and men's factory clothing are the more important industries in this category.

Interesting comparisons are obtained by comparing salary and wage payments with value added by manufacture. Value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added by labour to the materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for the payment of salaries and wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met, as well as profits. The value added by manufacture reported by the various industries can be added to produce a non-duplicating total for manufacturing as a whole. Being free of duplication within the manufacturing sector, value added figures are, therefore, more representative of the total value of manufacturing production than are gross value of production figures.

The following figures show that the proportion of salary and wage payments to value added is more or less constant, the average annual change during the past fifteen years was only one-fifth of one per cent, dropping from 51.8 in 1945 to 49.2 in 1959. The proportion of office payments rose from 11.7 to 14.9 while production payments dropped from 40.1 to

34.3 during this period. The ability to increase prices in proportion to increases in salaries and wages no doubt accounts for this phenomenon.

		Proportion of	
Year	Office payments to value added	Production payments to value added	Total payments to value added
	p.c.	p.c.	p.c.
1945	11.7 11.8 13.6 14.9	40, 1 36, 8 35, 7 34, 3	51.8 48.6 49.3 49.2

Average annual earnings in 1959 for all employees totalled \$3,891, an increase of 136 p.c. over the 1945 average of \$1,649. In 1959 British Columbia and Ontario, with average annual earnings of \$4,165, were the highest paying provinces, British Columbia having a slight margin over Ontario. Alberta ranked third, followed in order by Saskatchewan, Quebec, Manitoba, Newfoundland, Nova Scotia, New Brunswick and Prince Edward Island. The high figure shown for the Yukon and Northwest Territories is not representative because of the unusual conditions under which industry is carried on in those Territories.

As already mentioned, a notable feature during the past twenty years was the reduction in the disparity between average annual earnings of office and production workers. Whereas in 1939 average annual earnings of production workers were only 56 p.c. of the earnings of office employees, in 1943 the percentage rose to 76, declined to 69 in 1947 and rose again to 71 in 1959. This tendency toward equalization was caused, in part, by the controls adopted by the Federal Government during the war years which tended to stabilize earnings of office workers more than earnings of production workers. The increase in average earnings of production workers was also influenced by the fact that large numbers were employed in the highly paid iron and steel industries and by the increase in the number of hours worked, some at overtime pay. Another factor that influences annual earnings is the number of females employed. Ontario has a larger proportion of females among its office employees than any other province and the same situation prevails in Quebec with regard to production workers owing, no doubt to the heavy concentration of textile establishments in that province. Of all female production workers engaged in manufacturing in 1959, 41 p.c. were in the textile and clothing group.

All provinces reported higher annual earnings in 1959 than in 1945, the increases ranging from 158 p.c. in Saskatchewan to 101 p.c. in Nova Scotia. Some significant changes took place in the ranking of the provinces during the period. In 1945 British Columbia with \$1,823 was in first place and exceeded by \$120 the annual earnings in Ontario which was second; in 1959 these two provinces remained in first and second places. Alberta and Saskatchewan bettered their positions but Manitoba, Quebec and Nova Scotia dropped behind. New Brunswick and Prince Edward Island showed no change, being in eighth and ninth places, respectively, in both years.

	Averannual e	age arnings	Increase	Rank		
Province or territory	1959	1945	1945 - 59	1959	1945	
	\$	\$	p.c.			
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Canada	3, 169 2, 180 3, 113 3, 052 3, 587 4, 165 3, 569 3, 751 3, 859 4, 165 5, 305	(1949) 2, 333 907 1, 547 1, 440 1, 582 1, 703 1, 559 1, 455 1, 525 1, 823 1, 983 1, 649	140 140 101 101 112 127 145 129 158 153 128 167	97 8 5 2 6 4 3 1	9 5 8 3 2 4 7 6 1	

Tables 1 and 2 give comparisons of earnings by province and industrial group for the period 1946-59 since the industrial breakdown is not available for 1945 in comparable form. Table 1 shows that annual earnings of production workers averaged \$3,551 in 1959, an increase of 134 p.c. over the earnings reported in 1946. Production workers in British Columbia received an average of \$3,918 in wages, the highest amount in Canada, and those in Ontario received \$3,814. On the other hand, Prince Edward Island with \$2,005 paid the lowest annual wages in Canada.

For Canada as a whole, weekly earnings of production workers were 120 p.c. higher in 1959 than in 1946 and hourly earnings were 132 p.c. higher. Hourly earnings increased steadily each year although at a progressively declining rate; between 1946 and 1949 the increase was 32 p.c., between 1949 and 1954, 43 p.c., and between 1954 and 1959, 23 p.c.

Industries producing durable goods generally have higher eamings than the industries producing non-durable or consumer goods. All industrial groups reported increases in annual earnings between 1946 and 1959, ranging between 189 p.c. for tobacco and tobacco products and 89 p.c. for clothing. In 1959 production workers in the products of petroleum and coal group received the highest average annual earnings, amounting to \$5,185. Transportation equipment was in second place with an annual average of \$4,328, 17 p.c. less than the leading group.

Annual earnings of administrative and office employees averaged \$4,998 in 1959, an increase of 120 p.c. over the 1946 annual earnings which amounted to \$2,270. This category of employees in Ontario received the highest average, at \$5,217, followed by those in British Columbia with \$5,118 and Quebec with \$4,910. Prince Edward Island paid the lowest average annual salary of \$2,683. The fact that head offices of many

large corporations are located in Montreal, Toronto, Winnipeg and Vancouver tends to raise the average salary of the provinces in which these cities are located.

For Canada as a whole, weekly earnings advanced 121 p.c. from 1946 to 1959 and hourly earnings 136 p.c. Hourly earnings of office employees increased each year, but at an uneven rate; between 1946 and 1949 the increase was 28 p.c., between 1949 and 1954 it was 46 p.c. and between 1954 and 1959, 26 p.c. The significant difference in the rate of increase of office employees as compared with production workers occurred during the 1946-49 period, when hourly earnings of office employees increased 28 p.c. and those for production workers 46 p.c. Since 1949 the trend for both classes of employee was about the same.

All industrial groups reported higher annual earnings in 1959 than in 1946, the increases ranging from 166 p.c. for wood products to 80 p.c. for textiles. As with production workers, office employees in the durable goods industries received greater increases generally than office employees in the non-durable or consumer goods industries. Among the industrial groups, office employees in the products of petroleum and coal group received the highest average annual salary of \$6,185 in 1959; as already noted, this group was also the highest paying group with respect to annual earnings of production workers. Office employees of the paper products group received the second highest average salary and those of the transportation equipment group the third highest. The lowest annual earnings were received by the office employees of the wood products group. In 1959 there were two groups with annual earnings of more than \$6,000, six groups with earnings of \$5,000 to \$6,000, eight groups in the \$4,000-to-\$5,000 range and only one group below \$4,000.

TABLE 1. Average Annual, Weekly and Hourly Earnings of Production Workers, by Province and Industrial Group, 1946 and 1959

	A	nnual earni	ngs	. W	eekly earnin	ngs	Hourly earnings		
Province and industrial group	1959	1946	Per- centage increase	1959	1946	Per- centage increase	1959	1946	Per- centage increase
Province	\$	\$		\$	\$		\$	\$	
Newfoundland	3,090	2, 392 ¹	29	62- 25	46- 52 ²	34	1.61	0.99²	63
Prince Edward Island	2,005	911	120	45. 53	21 - 51	112	1, 13	0.46	145
Nova Scotia	2,953	1,398	111	61-74	31. 44	96	1,49	0.69	116
New Brunswick	2, 879	1,390	107	60-43	30- 54	98	1, 43	0- 66	117
Quebec	3, 203	1,445	122	64-99	30- 51	113	1.54	0-67	130
Ontario	3,814	1,552	146	75- 10	33- 26	126	1.82	0.78	133
Manitoba	3, 333	1,491	124	67-34	31.16	116	1, 64	0.73	125
Saskatchewan	3, 646	1,455	151	72-86	32.78	122	1,77	0.75	136
Alberta	3,647	1,477	147	74- 50	32-40	1.30	1.83	0.75	144
British Columbia	3,918	1,750	124	82-54	36-83	124	2-11	0.89	137
Canada	3, 551	1,516	134	71.35	32.38	120	1. 72	0. 74	132
Industrial group									
Foods and beverages Tobacco and tobacco products Rubber products Leather products Leather products Textile products (except clothing) Clothing (textile and fur) Wood products Paper products Paper products Iron and steel products Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellancous industries	3, 185 3, 378 3, 835 2, 385 2, 776 2, 250 2, 991 4, 215 4, 077 4, 228 4, 261 3, 739 3, 911 5, 185 3, 968 2, 969	1,389 1,168 1,567 1,192 1,271 1,191 1,337 1,835 1,609 1,731 1,523 1,547 1,891 1,564 1,291	129 189 145 100 118 89 124 130 153 144 128 149 146 153 174 154 130	63. 24 70. 90 76. 82 47. 57 56. 38 65. 01 83. 82 82. 13 85. 15 82. 22 81. 85 77. 40 99. 13 77. 49 59. 54	29. 15 23. 85 36. 78 25. 03 24. 13 25. 38 30. 94 36. 97 34. 57 39. 85 35. 51 32. 78 37. 88 32. 78 32. 46 26. 94	117 197 100 90 134 73 110 127 138 131 106 130 126 136 162 139	1. 53 1. 76 1. 81 1. 20 1. 30 1. 13 1. 52 2. 00 2. 07 2. 04 2. 03 1. 98 1. 74 2. 41 1. 89 1. 40	0.66 0.56 0.82 0.59 0.55 0.62 0.69 0.79 0.82 0.82 0.94 0.77 0.71 0.90 0.73 0.63	131 214 121 103 136 82 120 153 152 149 116 144 131 145 168 159

^{1 1949} earnings.

² 1950 earnings.

TABLE 2. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees, by Province and Industrial Group, 1946 and 1959

	A:	nnual earni	ngs	Weekly earnings			Hourly earnings		
Province and industrial group	1959	1946	Per- centage increase	1959	1946	Per- centage increase	1959	1946	Per- centage increase
Province	\$	\$		\$	\$		\$	\$	
Newfoundland	3, 453	1,9211	80	86-68	54.951	58	2. 09	1. 291	62
Prince Edward Island	2, 683	1,571	71	63-83	40.35	58	1. 51	0.98	54
Nova Scotia	3, 848	1,788	115	81-13	39.89	103	2-09	0.93	125
New Brunswick	3,900	1,879	107	78- 23	40.33	94	1. 93	0.93	108
Quebec	4, 910	2, 293	114	95-98	44.57	115	2- 50	1.07	134
Ontario	5, 217	2,356	121	99.04	43.82	126	2-57	1.08	138
Manitoba	4, 402	2,090	111	84-26	41.46	103	2- 19	0.97	126
Saskatchewan	4,026	1,654	143	82-13	38-78	112	2-11	0.90	134
Alberta	4,511	1,812	149	94.78	39.34	141	2- 40	0.92	161
British Columbia	5, 118	2, 200	133	104.18	46-59	124	2- 69	1-11	142
Canada	4,998	2,270	120	97.10	43. 85	121	2. 52	1.07	136
Industrial group									
Foods and beverages	4,471	1,990	125	88-91	41.33	115	2-28	0.98	133
Tobacco and tobacco products	5, 595	2,371	136	102.71	39.94	157	2- 69	0, 9.7	177
Rubber products	4, 951	2, 289	116	93.33	44.97	106	2.42	1.11	118
Leather products	4, 600	2, 398	92	77-85	37-93	105	1.99	0-88	126
Textile products (except clothing)	4, 802	2,675	80	86-01	48-08	.79	2- 22	1-16	91
Clothing (textile and fur).	4, 763	2,580	85	77-56	38- 00	104	1-99	0.92	116
Wood products	3,776	1,419	166	89-14	42-65	109	2- 22	0-98	127
Paper products	6,044	2,831	113	112-95	52-29	116	3-02	1-28	136
Printing, publishing and allied industries	4, 306	2,084	107	84-94	37-07	129	2- 28	0.93	145
Iron and steel products	5, 200	2, 429	114	99-48	50 - 14	98	2- 58	1, 23	110
Transportation equipment	5, 783	2,574	125	106-21	50.14	112	2. 72	1.19	129
Non-ferrous metal products	5, 503	2,590	112	105-61	47. 22	124	2- 76	1, 14	142
Electrical apparatus and supplies	5, 373	2, 267	137	100-46	45-46	121	2- 58	1.15	124
Non-metallic mineral products	4,945	2, 134	132	96-06	43- 29	122	2- 47	1.05	135
Products of petroleum and coal	6, 185	2,412	157	126.60	47-66	166	3.46	1.21	186
Chemicals and allied products	5, 190	2, 386	118	103.01	43-88	135	2.73	1-11	146
Miscellaneous industries	4, 852	2, 298	111	90.07	39-89	126	2.35	0.93	153

^{1 1950} earnings.

Changes in the Volume of Goods Produced. — For all types of manufacturing, there was an increase of 61,2 p.c. in the volume of production during the 1945-59 period; non-durable goods — which include foods and beverages; tobacco, rubber, leather, paper, petroleum and chemical products; textiles and clothing; printing and publishing, etc. — advanced by 70.2 p.c., and durable goods — which include products of wood, iron and steel, metal and non-metallic minerals, transportation equipment and electrical goods — advanced by 49.8 p.c. The following figures show that non-durable goods increased at an accelerated rate during the whole period but that durables recorded little change between 1945 and 1949 and advanced 25 p.c. between 1949 and 1954 but only 20 p.c. between 1954 and 1959.

Period	All manu- factures	Durable goods	Non-durable goods
	p.c.	p.c.	p.c.
1945 - 49	+ 7.6	+ 0.2	+13.4
1949 - 54	+22.9	+24.8	+21.2
1954 - 59	+21.9	+19.8	+23.8
1945 - 59	+61.2	+49.8	+70.2

As stated above, there was no interruption in the upward movement of production in the non-durable group of industries during the whole period. The population of the country increased by 44.5 p.c. in these years and the filling of the requirements of these additional people accounted for part of the increase in the demand for such goods. Also contributing to the upward trend were increased exports and generally higher personal expenditure on consumer goods which resulted from the high level of economic activity and attendant increased personal income. The greatest advance in volume of output was achieved by the products of the petroleum and coal group of industries, which amounted to 226 p.c. This was followed by the printing and publishing industries with an increase of 113 p.c., paper products 109 p.c., chemicals and allied products 95 p.c., miscellaneous industries 86 p.c., tobacco and tobacco products 74 p.c., foods and beverages 61 p.c., rubber products 58 p.c., textiles 42 p.c., clothing 24 p.c., and leather goods 5 p.c. Although all these groups reported increases in volume of output, five of them employed fewer persons in 1959 than in 1945, the declines ranging from 15.4 p.c. in the tobacco industry to 9.1 p.c. in the leather goods industry.

While non-durable goods fluctuate more or less in proportion to the growth in population and levels of personal income, the durable goods industries are affected to a much greater extent by fluctuations in the business cycle. When the economy is expanding, durable goods industries expand far more than non-durable goods industries, and in periods of recession they experience a more severe downtum than do non-durables. Thus, the industries producing durable goods showed wider fluctuations in volume of output during the 1945-59 period than did the industries producing non-durable goods.

TABLE 3. Percentage Variation in Employment, Salaries and Wages, Gross Value of Products and Volume of Production, by Province and Industrial Group, 1945-59

	by Provin	ice and Ind	ustrial Gro	oup, 1945 -	59					
Province and group	Em- ployees	Salaries and wages	Gross value of products	Volume of pro- duction	Em- ployees	Salaries and wages	Gross value of products	Volume of pro- duction		
	1949 compared with 1945 ¹ 1954 compared with 1949									
				per	cent					
Province Newfoundland										
Frince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada	- 2. 2 - 22. 5 + 1. 2 - 8. 0 - 1. 3 + 2. 5 - 12. 3 + 19. 1	+ 25.9 - 8.8 + 36.7 + 21.2 + 33.8 + 37.2 + 25.8 + 65.9 + 9.9 + 39.2	+ 69. 2 + 21. 1 + 52. 2 + 29. 3 + 40. 6 + 34. 7 + 23. 0 + 47. 1 + 46. 2 + 50. 0	+ 7.6	+ 13. 2 + 1.5 + 1.0 - 5.8 + 8.7 + 7.5 - 1.7 + 6.3 + 24.0 + 15.6 + 8.1	+ 71. 1 + 40. 6 + 31. 2 + 24. 6 + 50. 0 + 49. 7 + 35. 3 + 50. 4 + 75. 8 + 62. 8	+ 43.3 + 29.5 + 21.2 + 24.1 + 42.4 + 39.8 + 20.4 + 30.1 + 54.6 + 53.7 + 40.6			
								77.0		
Industrial group Foods and beverages² Tobacco and tobacco products Rubber products Leather products Leather products (except clothing) Clothing (textile and fur) Woods products² Paper products² Paper products² Printing, publishing and allied industries Iron and steel products² Transportation equipment² Non-ferrous metal products Electrical apparatus supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products² Micellaneous industries	+ 8.1 - 12.2 - 11.8 + 2.3 + 18.9 + 17.8 + 28.9 + 20.7 + 31.2 - 32.4 + 1.1 + 26.7 + 38.8 + 26.2 - 32.6 + 9.9	+ 48.5 + 39.1 + 23.2 + 38.0 + 78.6 + 57.1 + 86.7 + 80.5 + 81.2 + 31.6 - 17.1 + 39.9 + 79.5 + 96.0 + 73.7 - 6.0 + 37.5	+ 49.5 + 42.3 + 1.6 + 25.6 + 65.1 + 52.6 + 83.9 + 95.1 + 84.1 + 49.0 + 2.8 + 110.9 + 28.6 + 110.9 + 88.6 + 97.6 + 17.8 + 8.2	+ 9.1 - 3.1 - 12.7 - 12.7 - 14.3 + 29.5 + 44.7 + 48.6 + 3.8 - 36.3 - 36.3 + 1.2 + 41.4 + 57.0 + 39.1 - 6.6 - 6.6 - 1.7	+ 3.4 - 11.4 + 0.8 - 11.9 - 17.0 - 5.5 + 6.0 + 14.3 + 11.0 + 6.2 + 27.4 + 13.0 + 34.3 + 25.2 + 20.7 + 24.9 + 17.7	+ 42. 4 + 27. 3 + 40. 1 + 12. 5 + 9. 0 + 15. 8 + 43. 7 + 59. 1 + 55. 7 + 66. 5 + 76. 9 + 88. 3 + 77. 8 + 75. 2 + 76. 1 + 67. 7	+ 23. 1 + 30. 7 + 48. 0 - 2. 0 + 0. 6 + 10. 2 + 43. 5 + 49. 1 + 52. 8 + 37. 7 + 61. 2 + 45. 8 + 77. 7 + 76. 6 + 91. 3 + 59. 3 + 61. 4	+ 20.6 + 24.7 + 19.2 + 0.2 - 5.7 + 8.9 + 24.1 + 21.6 - 6.2 + 37.3 + 51.7 + 46.1 + 65.0 + 52.1 + 34.3		
		1959 compare	ed with 1954			1959 compare	ed with 1945			
				per c						
Province							1			
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada	- 2.7 - 0.3 - 4.9 - 5.3 + 1.7 + 2.8 + 4.7 + 8.8 + 20.6 + 5.5 + 2.8	+ 10. 4 + 28. 5 + 22. 2 + 15. 9 + 27. 4 + 31. 2 + 32. 2 + 40. 4 + 57. 4 + 31. 8 + 30. 3	+ 8.6 + 17.9 + 32.9 + 13.3 + 28.2 + 36.7 + 30.1 + 23.7 + 54.2 + 27.2 + 32.8	+ 21, 9	- 4.4 - 15.7 - 7.0 + 12.3 + 18.9 + 12.5 + 7.9 + 83.9 + 15.0 + 15.6	+ 129.7 + 69.6 + 97.1 + 154.7 + 190.6 + 157.5 + 178.2 + 365.5 + 162.7 + 173.2	+ 138.7 + 99.5 + 107.8 + 173.2 + 194.3 + 118.8 + 107.1 + 257.4 + 198.2 + 181.8	+ 61.2		
Industrial group										
Foods and beverages² Tobacco and tobacco products Rubber products Leather products Leather products (except clothing) Clothing (textile and fur) Wood products² Paper products² Printing, publishing and allied industires Iron and steel products² Transportation equipment² Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products² Miscellaneous industries	+ 8.0 + 8.6 + 1.0 + 0.9 - 1.6 - 2.4 - 4.0 + 7.7 + 11.1 - 14.9 + 3.0 - 1.6 + 23.0 - 4.5 + 6.2 + 21.9	+ 38.9 + 36.6 + 28.7 + 23.2 + 19.2 + 17.0 + 20.0 + 30.8 + 39.9 + 42.3 + 11.0 + 29.9 + 22.6 + 55.6 + 34.7 + 37.2 + 53.2	+ 31. 2 + 44.0 + 31.6 + 31.3 + 25. 2 + 19. 2 + 18. 2 + 24. 4 + 42. 7 + 57. 5 + 18. 0 + 37. 7 + 21. 2 + 59. 5 + 24. 2 + 47. 3 + 71. 4	+ 22.4 + 44.3 + 35.2 + 20.1 + 31.9 + 10.0 + 16.6 + 17.8 + 38.6 - 4.2 + 15.1 + 52.8 + 52.8 + 36.4 + 36.4	+ 20.6 - 15.4 - 10.2 - 9.1 - 9.1 - 13.7 + 8.7 + 49.9 + 68.7 + 13.8 - 26.8 + 17.6 + 67.4 + 112.3 + 45.5 - 10.8 - 57.7	+ 191.3 + 142.0 + 122.1 + 91.2 + 129.6 + 112.7 + 223.7 + 223.7 + 278.0 + 313.3 + 189.1 + 314.4 + 438.6 + 310.0 + 127.0 + 253.3	+ 141. 4 + 164. 9 + 91. 7 + 61. 5 + 105. 2 + 100. 3 + 212. 2 + 266. 0 + 338. 9 + 217. 0 + 217. 0 + 354. 4 + 217. 0 + 369. 3 + 176. 0 + 199. 2	+ 61.0 + 74.3 + 57.8 + 57.8 + 52.1 + 42.2 + 23.7 + 76.9 + 112.8 + 52.9 - 52.9 + 36.3 + 161.4 + 250.4 + 250.4 + 29.6 + 36.4		

¹ Exclusive of Newfoundland and "Publishing (only) of Periodicals".

² The 1945-49 and 1945-59 periods do not include figures for Newfoundland which are included only since 1949 with Canadian manufacturing production.

For the period as a whole, the greatest expansion in volume of durable goods output was recorded by the non-metallic mineral products group, which increased 250 p.c. This was followed by electrical apparatus and supplies with an increase of 161 p.c., wood products 77 p.c., iron and steel products 53 p.c., and non-ferrous metal products 36 p.c. The transportation equipment group was the only one to report a decrease, and the 16 p.c. decline in the production of this group was accompanied by a 27 p.c. decline in number of employees. All other groups of the durable goods classification reported increased employment.

The output of transportation equipment was particularly high during the war years because of the great increase in production of ships and aircraft. The index for this group of industries reached a record level of 236 in 1944, the year of maximum war production. After the end of the War, however, the index dropped to a low of 81 in 1946. During the next few years output increased steadily and a postwar high of 165 was reached in 1953. The minor recession in industrial production in 1954 affected this group more than any other and the index dropped to 137 in that year. Although some recovery occurred during the following few years, the decline in industrial production during 1958 and 1959 brought the index to a level of only 132 in 1959.

The iron and steel group of industries was also considerably affected by war requirements. As most of the industries in this group were more firmly established in the prewar period, they did not expand relatively to the same extent as the shipbuilding and aircraft industries. When European supplies were cut off early in the War, the Canadian basic steel industry had to rely on the United States for a greater supply and had to increase its own steel-making capacity to meet the abnormal wartime requirements. However, development of the iron and steel group of industries did not halt with the end of hostilities. Canada's industrialization program, together with the strong postwar demand for consumer durable goods, led to a steady expansion of this group of industries so that by 1959 the index had advanced to 147, the highest on record, and exceeded the wartime high by 15 points. The output of pig iron in 1939 was only 755,731 tons and the output of steel ingots and castings 1.551.054 tons; in 1959 production of these commodities reached record levels of 4,182,755 tons and 5,901,487 tons, respectively.

Table 4 gives comparative figures which show the extent and nature of the transformation in manufacturing production between the end of the war in 1945 and the year 1959, the period covered by the above survey. The products listed cover most of the main commodities used in the construction of the group indexes given in Table 3 above.

TABLE 4. Volume and Value of the Principal Manufactured Products made in Canada, 1945 and 1959

		Qua	ntity	Selling value at factory ¹		
Products		1945	1959	1945	1959	
				\$'00	0	
Foods and beverages: Bakery products: Biscuits, all kinds Bread	M lb.	146.1 1,292.0	252.1 1,653.0	25,119 73,769	75, 254 206, 588	
Canning and preserving: Fruits, canned	64 64 66	56,650 320,363	147,846 486,185	5,709 22,643 47,011	23, 968 62, 227 80, 889	
Dairy products: Butter, factory made Cheese, factory made Ice cream, factory made Milk, evaporated and condensed Milk sold by dairy factories	M gal. M lb. M gal.	293,783 229,859 14,883 228,900 123,700	330,700 193,900 38,237 330,500 367,100	101,398 50,148 18,480 19,389 51,100	210,726 71,402 63,503 42,267 292,946	
Grain mill products: Wheat flour Feeds, stock and poultry, prepared	M cwt.	49, 230 1, 268, 755	40,897 2,886,609	139,811 61,970	176,581 244,914	
Meat products: Meats, fresh and frozen Poultry, fresh and frozen Meats, canned, including poultry pastes, etc. Meats, conded, including sausage, weiners, etc. Meats, cured and smoked	ton	597, 455 12, 366 73, 350 85, 700 288, 850	916, 362 34, 541 92, 900 157, 000 138, 100	231,875 7,757 33,527 36,862 136,883	626, 656 26, 920 99, 560 130, 773 136, 512	
Other food products: Refined sugar Confectionery Jams, jellies & marmalades Coffee, roasted Tea, blended, etc.	M lb.	981,000 97,412 87,132 58,861 43,246	1,629,000 222,167 113,012 84,152 42,072	59,991 41,276 11,018 21,120 28,356	117,920 94,087 23,325 55,098 47,670	
Beverages: Beer, ale, stout and porter Beverage spirits sold Carbonated beverages	M gal. M proof gal. M gal.	128,910 9,151 51,335	235, 186 16, 173 157, 463	157, 568 46, 863 34, 598	388, 131 132, 958 142, 736	
Tobacco and tobacco products: Cigarettes Cigars Smoking tobacco Chewing tobacco and snuff	million M M lb.	17, 685 207, 861 26, 235 3, 782	34, 273 313, 472 22, 134 1, 077	207,613 ² 11,715 ² 39,123 ² 5,602 ²	493, 911 ² 23, 014 ² 58, 733 ² 2, 565 ²	
Rubber products: Rubber tires	М	3, 490	9, 408	76,674	172, 466	
Leather products: Boots and shoes with leather or fabric uppers (except felt)	M pr.	30,979	36,790	75,512	143, 460	

See footnotes at end of table.

TABLE 4. Volume and Value of the Principal Manufactured Products made in Canada, 1945 and 1959 - Concluded

Products		Quant	ity	Selling Value	at Factory ¹
Products		1945	1959	1945	1959
Textiles: Yarns produced (for own use and sale	M lb. M linear yd.	251,669 167,070 22,056 82,116	943,472 194,957 22,014 94,875	26,637 39,220 38,534	48,941 33,778 71,903
Clothing: Women's and misses'dresses(including house dresses) Hosiery, all kinds Coats, fur, women's (factory made) Men's and youths'suits (ecxluding uniform suits) Shirts, fine (work and sports)	M M doz. pr. No. M doz.	12,005 8,493 206,799 1,344 1,114,723	12,633 11,806 215,028 1,676 2,553,163	47, 578 36, 252 36, 266 28, 221 15, 042	90,929 65,910 49,658 57,212 56,692
Wood Products: Lumber, planed Lumber, sawn Furniture	M ft. b.m.	-	1,351,909 7,598,114	58,848 142,110 51,964	98,424 490,853 237,506
Paper products: Newsprint paper Wood pulp (for sale and own use) Book and writing paper Wrapping paper Paper bags Paper boxes Paper boards	M ton '' ton 'ton	3, 324 5, 601 162, 198 162, 175 595, 131	6,351 10,832 382,000 330,000	189,024 24,468 17,559 12,268 46,268 40,101	730, 455 101, 928 71, 318 62, 351 221, 544 163, 152
Printing, publishing and allied industries: Printing periodicals (gross revenue from advertising)				47, 360	282,953
Iron and steel products: Plg iron produced Steel ingots and steel castings produced Hotrolled iron and steel bars produced Structural steel shapes made in primary mills Steel rails produced Steel pipe and tubing Plain steel wire produced Hardware, builders and others Machinery, industrial, household, office and store, including parts Farm implements and parts produced Metal cans	long ton net ton short ton short ton "" ""	1,777,949 2,877,927 574,446 191,907 291,651 160,200 214,475	4, 182, 775 5, 901, 487 949, 865 268, 573 286, 989 488, 900 360, 874	39,488 41,492 10,490 14,230 17,971 8,642 142,972 38,701 36,325	229, 132 139, 735 34, 968 31, 700 106, 004 52, 641 692, 737 151, 974
Stoves and ranges	No.	443, 484	537,011	12, 457	52, 857
Passenger automobiles Commercial auto vehicles, including buses Automobile parts and accessories (excluding tires and auto fabrices) Locomotives, steam and diesel Railroad cars (freight and passenger) Aircraft completed in year Ships and ship repairs	No.	1,866³ 130,777⁴ 378 13,480 2,023	296, 943 67, 262 380 3, 585	1,637 167,103 159,284 29,499 47,571 213,176 266,094	611,318 170,506 360,066 66,824 40,370 114,574 224,965
Non-ferrous metal products: Aluminum produced Nickel produced, all forms Copper """	short ton	215,712 122,565 237,457	593, 630 186, 550 395, 264	61,982 59,322	257,009 233,103
Electrical apparatus and supplies: Household mechanical refrigerators Washing machines Radios, all types, except combination Television sets ⁶ . Electric wire and cable Telephones and telephone equipment	No. "	2,418 ⁵ 59,908 50,317	256, 778 326, 883 713, 309 402, 348	355 3,537 979 36,681 6,411	44,549 36,565 24,485 64,524 150,574 78,116
Non-metallic mineral products: Clay bricks Cement Cencrete	M M bbl. cu. yd.	200, 241 8, 472 401, 122	551, 114 35, 910 8, 179, 831	4, 566 14, 246 3, 083	27, 618 95, 148 99, 927
Products of petroleum and coal: Gasoline Fuel oil Coke	M gal.	953,017 771,188 3,912,320	3, 436, 195 3, 259, 658 4, 089, 833	110, 786 ⁷ 38, 904 ⁷ 37, 672	512,300 ⁷ 302,950 ⁷ 65,149
Chemicals and allied products: Soap and synthetic detergents Medicinal and pharmaccutical preparations Paints and enamels, ready mixed Fertilizers sold for consumption in Canada Sulphuric acid produced st	short ton M short ton	136, 646 12, 593 675, 107 664, 302	174,528 21,987 908,214 1,739,000	29, 337 46, 249 31, 750	97, 931 154, 334 95, 787

Figures for 1945 are for products made, while for 1959 they are, with some exceptions, for products shipped.

¹ Figures for 1945 are for products made, while for 1955 the, and the states and sales tax.
2 Includes excise duties and sales tax.
3 Production of passenger automobiles curtailed during the war years.
4 Includes vehicles for the armed forces.
5 Production of household mechanical refrigerators curtailed during the war years.
6 No television sets were produced in 1945. This is a new product for Canadian manufacturers.
7 Value figures for 1945 and 1959 not strictly comparable due to changes in method of valuing petroleum products in 1954 and 1959.

Subsection 5. General Review of The Manufacturing Industries of Canada, 1960

The recovery in manufacturing production which took place in 1959 was maintained more or less during 1960. Selling value of factory shipments at \$23,747,457,083, value added by manufacture at \$10,533,208,994 and salaries and wages paid at \$5,207,167,393 were all the highest on record. The number of persons employed in 1960 at 1,294,629 fell short by 5.1 p.c. from the record attained in 1957. It is of interest to note that the value added by manufacture which is the real measure of manufacturing production topped the ten billion mark for the first time in 1959.

Compared with the previous year, the value of factory shipments in 1960, after adjustments, increased by 1.8 p.c. and salaries and wages paid by 2.5 p.c. The number of employees and the physical volume of production were, however, lower, the former declining by 1.0 p.c. and the latter by 0.3 p.c. The greater decline in employment than in volume of production follows the trend in recent years for the same volume of output to be produced with fewer employees. Between 1949 and 1959 the volume of manufactured products increased only by 11.3 p.c. The increase in the salaries and wages paid in 1960 in spite of a drop in the number of employees was due to the continuing advance in hourly and weekly earnings, a trend common to all other sectors of the economy.

An important factor in sustaining a high level of production in 1960 was the continuing high spending on capital goods, such as construction and machinery and equipment of all kinds. Total investment in capital goods amounted to \$8,262,000,000, a decrease of \$155,000,000 over 1959. Spending on machinery and equipment was \$101,000,000 higher, while spending on construction projects was \$256,000,000 lower. In spite of the higher spending on machinery and equipment, the index of the physical volume of goods produced by the machinery group of industries was 0.6 p.c. lower. The big drop in the spending on construction projects had only a moderate affect on the industries producing building materials. In the case of the lumber industry an increase in the export of timber, lumber and shingles counterbalanced the decline in the domestic spending for construction purposes, resulting in a net decrease of only 0.4 p.c. in the volume of wood products manufactured. The output of cement, however, was more severely affected, production dropping to 5,787,225 tons in 1960, a decline of 7.9 p.c. Another stimulating factory in 1960 was the impact on the consumer goods industries of an increase of about 372,000 in population, with a continuing rise in wages, salaries and supplementary labour income.

Export demand for Canadian manufactured products was another strong factor in stimulating the high level of production in 1960. Exports of partly manufactured products at \$1,640,637,000 were \$186,736,600 higher than in 1959 and exports of fully manufactured goods at \$1,969,655,000 were \$109,021,000 higher. The increase in the exports of both partly and fully manufactured products amounted to 9.0 p.c. There were substantial improvements in the export of lumber and timber, shingles, wood pulp, newsprint, aluminum and its products, nickel, copper and its products, zinc, automobiles and parts, crude artificial abrasives, fertilizers, lead and lead products and non-farm machinery. At the same time declines occurred in a number of major export items which included veneer and plywood, whisky, wheat flour, farm implements and machinery. aircraft, synthetic plastics and its products and uranium ores and concentrates. The decline in the export of aircraft was particularly sharp, from \$109,112,783 in 1958 to \$24,960,067 in 1959 and \$20,745,482 in 1960, resulting in a drop of 32 p.c. in the volume output of the aircraft industry since 1957.

As already mentioned, the physical volume of production for manufacturing as a whole reached an all-time high of 149.8 in 1959 but declined somewhat to 149.3 in 1960, a drop of 0.3 p.c. Between 1959 and 1960 the volume of non-durable goods or consumer goods increased 1.1 p.c. while durable goods declined by 2.1 p.c. Since the end of the Second World War the durable goods industries experienced an almost uninterrupted

expansion in production, the only exceptions being 1954, 1957 and 1958. Despite their steadier postwar expansion, the non-durable goods sector recorded an increase of only 54 p.c. between 1946 and 1956 while durable goods increased 92 p.c. This gap was narrowed between 1957 and 1960, so that for the whole period 1946-1960 durable goods expanded 83 p.c. and non-durable goods 69 p.c.

The trend of production of non-durable goods in 1960 was mixed, eight groups reporting increases and four groups declines. The net result was an increase in volume of production of 1.1 p.c. for the group as a whole as compared with 1959. The percentage increases ranged between 5.4 p.c. for chemicals and allied products to 1.2 p.c. for tobacco and tobacco products. Of the four groups reporting declines, rubber goods with a loss of 11.0 p.c. experienced the greatest drop in production. This was followed by leather goods with a loss of 7.1 p.c., clothing 4.6 p.c. and textiles 1.5 p.c. In the durable goods sector only one group, viz. non-ferrous metal products, reported a greater volume of production in 1960, the increase being 10.1 p.c. as compared with 1959. The greatest decline of 6.7 p.c. was reported by iron and steel products, followed by non-metallic mineral products with a loss of 5.5 p.c. electrical apparatus and supplies 2.5 p.c., transportation equipment 1.1 p.c. and wood products 0.4 p.c.

Ontario which is recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance, and in 1960 accounted for 49.2 p.c. of the total value of factory shipments. Quebec with 30.4 p.c. of the total shipments ranks as the second largest industrial province, while British Columbia with 8.1 p.c. of the total ranks third. Due to the drop in the production of durable goods in 1960, Ontario suffered a decline in its share of the total while Quebec and British Columbia reported increases.

The level of manufacturing production in 1960, as measured by the number of persons employed, varied from province to province. Compared with the previous year, the greatest increase in employment of 6.1 p.c. was reported by New Brunswick. Prince Edward Island with an increase of 1.6 p.c. was second in this respect, followed by Nova Scotia with an increase of 1.5 p.c., Saskatchewan 0.7 p.c. and Quebec 0.6 p.c. Manitoba suffered the greatest loss in employment of 2.9 p.c., followed by Ontario with a loss of 2.2 p.c., Newfound land 1.5 p.c., British Columbia 1.2 p.c. and Alberta 1.1 p.c. Perhaps the most outstanding feature in 1960 was the continued expansion of manufacturing employment in Saskatchewan which increased 0.7 p.c., after a rise of 2.1 p.c. in 1959 and 2.3 p.c. in 1958, a year when all other provinces reported declines. Another feature was the gain of 2.6 p.c. in employment in the Atlantic Provinces, when other economic regions, with the exception of Quebec, suffered declines.

The industrial expansion of Canada since Confederation has been phenomenal. In the past generation alone, Canada has changed from a country producing and exporting mainly primary products to a country that is increasingly producing and exporting manufactured products, until to-day manufactures account for about 26 p.c. of the value of all goods and services produced, and also ranks as the leading employer of labour in Canada.

Canada is no longer on the fringes of industrialization but ranks among the world's most important manufacturing countries. Basic historical developments, such as the opening of the West and the magnitude of requirements of all kinds for World Wars I and II, have been followed by recent discoveries of far-reaching significance. Such events as the discovery of a major oil pool on the prairies in 1947, the discovery of large-scale deposits of iron and the successful search for uranium have given new dimensions to Canadian thinking and business planning. These are the factors that explain the records of capital expenditures year by year since the end of the War. Yet it is not the mere rate of expansion that is significant.

There have been other periods when Canada's population has grown more rapidly and in many respects the rate of industrial expansion in the late 1920's was relatively as great as in the post-war years. The real significance of the latter period is that never before has there been an advance on such a broad industrial front.

The second point to be observed is the changing emphasis of Canadian manufacturing activity. By 1949 the period of post-war conversion was passed and Canada had entered a new phase of economic expansion which derived its dynamic from the discovery of new resources and the application of new processes. This meant that even the sharp recession in the United States in the year 1949 failed to have significant effects in Canada. The influence of Korea and the consequent rearmament program gave an added impetus to the expansion of Canadian industry and to the development of Canadian basic resources. Capital expenditures that contributed most of the defence of Canada were given priority. Additional capacity was created to meet requirements of the specialized defence program - aircraft, electronic equipment, ships and guns many items of which had never before been produced in Canada. Measures such as steel control, credit regulations and deferred depreciation had the desired effect. A shift gradually took place toward the further expansion of basic industrial capacity and away from investment in consumer goods and services.

The stability of current levels of manufacturing is indicated by the fact that such activity is the result of business assessment of resources and market potentialities. Millions of dollars are being invested in oil because the prairies can produce oil as economically as other great fields on the North American Continent, Petro-chemical plants are being erected because the raw materials are readily at hand. Kitimat is based on the coincidence of abundant and cheap hydro-power and access to ocean transportation, both of which are essential to the low-cost production of aluminum. The exploitation of the Ungava iron deposits rests on the belief that the steel industry of the North American Continent will need the highgrade ores involved in order to meet continuing peace-time demands. No country is in a more favourable position than Canada to supply uranium for the production of atomic energy.

Of strategic importance, and probably of even greater long-term significance to the Canadian economy, has been the growing world-wide shortage of raw materials, a shortage born of rising levels of employment and income, and accentuated by the course of international events, especially since 1950. These demands have shown few signs of abating and they have led to substantial increases in Canadian primary manufacturing capacity, particularly in so far as the light metals, nickel, chemical fertilizers and the cheaper grades of paper are concerned.

In recent years the demands stemming from population growth and a rising standard of living have been noticeable at all levels. In food processing, a steady up-grading in the quality of foods sold on the domestic market has been even more important than population growth. The two together have almost doubled the dollar sales of processed foods in this country since 1945, And at the intermediate level other important changes have taken place. Many of Canada's new chemical plants, for example, have been built with the domestic consumer market in mind. Frequently using petroleum or natural gas as a source of raw material, they have gone a long way towards making Canada independent of imports in such categories as vanillin, nylon and rayon intermediates, and plastics for packaging and similar uses.

The tremendous development which has taken place in Canada during the decade preceding 1957 is strikingly illustrated by the increase of 70.3 p.c. in the physical volume of manufactured products between 1946 and 1956 as compared with an increase of only 31 p.c. in the population. Part of this increase, resulted from an increased demand abroad for Canadian

manufactured goods, part to the demands imposed on Canadian industry as a result of the expansion in the economy during the past decade, and part to the increase in the standard of living of the Canadian people. The increase of 91.9 p.c. in the output of durable goods consisting mainly of building materials, transportation equipment as well as machinery and equipment of all kinds reveals the extent of the contribution made by Canadian industry to the phenomenal expansion in the productive capacity of the country. Non-durable goods during the same period increased by 53.8 p.c. Although this increase is quite large it is, nevertheless, overshadowed by the much larger increase of 91.9 p.c. in the durable goods industries of the manufacturing sector.

With only one exception, all groups in both the durable and non-durable sectors recorded marked advances in volume output since 1946, the exception being leather products with a decline of 6.8 p.c. In the durable goods sector the most striking advance was made by the electrical apparatus and supplies group with an increase of 182.6 p.c. This was followed by non-metallic mineral products with 166.0 p.c., transportation equipment 95.9 p.c., iron and steel products 79.8 p.c., non-ferrous metal products 62.6 p.c. and wood products 59.3 p.c.

In the non-durable goods sector the greatest advance was made by the products of petroleum and coal group with 190.8 p.c. This was the highest increase of any group of either sector. Chemicals and allied products with an increase of 100.9 p.c. came second, followed by miscellaneous industries with 83.3 p.c., printing, publishing and allied industries 78.5 p.c., rubber goods 72.1 p.c., paper products 70.1 p.c., beverages 68.4 p.c., tobacco and tobacco products 61.0 p.c., textiles 32.2 p.c., foods 27.6 p.c. and clothing 23.4 p.c. The output of leather products group declined 6.8 p.c.

Manufacturing establishments reporting in 1960 numbered 36,682. Of these 635 were located in Newfoundland, 184 in Prince Edward Island, 1,278 in Nova Scotia, 901 in New Brunswick, 11,961 in Quebec, 13,387 in Ontario, 1,592 in Manitoba, 887 in Saskatchewan, 1,848 in Alberta, 3,995 in British Columbia and 14 in the Yukon and Northwest Territories. These plants furnished employment to 1,294,629 persons who received \$5,207,167,393 in salaries and wages. They also shipped goods with a selling value at the factory of \$23,747,457,083 and spent \$12,705,070,820 for materials, while the value added by manufacture totalled \$10,533,208,994.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

With the change-over to a shipments basis in 1952 value of production figures are not now being reported by manufacturing establishments. They now report the value of their shipments which must be converted to a value of products basis in order to calculate value added. The formula used is "value of shipments plus closing inventory less opening inventory of finished goods and goods in process equals value of products made".

As the Census of Industry schedules for 1952 and 1953 did not contain data for opening and closing inventories, no calculations can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. For 1954 and 1955 value of production figures were obtained by adjusting shipments for inventory change of finished goods only, while for 1956 and later years the value of production figures were adjusted for inventory change in both finished goods as well as goods in process. The figures for value added for 1956 and subsequent years are, therefore, comparable with 1951 and earlier years.

TABLE 5. Variation in Volume of Production, 1946 to 1960

	Volum	e index (194	9 = 100)	Percentage variation				
	1960	1959	Percentage variation	1951 compare with 1946	1956 compared with 1951	1956 compared with 1946		
All manufactures Non-durable goods Durable goods Non-durable goods Foods Beverages Tobacco and tobacco products Rubber and rubber products Leather products Textiles Clothing, including knitting mills Paper products Printing, publishing and allied industries Products of petroleum and coal Chemicals and allied products Miscellaneous industries	149.3 151.8 146.4 147.1 160.2 182.0 143.3 111.8 122.5 107.9 148.4 146.5 250.6 219.7	149.8 150.1 149.5 145.0 155.8 179.9 161.1 120.3 124.4 113.1 144.7 143.2 241.5 208.4 183.2	- 0.3 + 1.1 - 2.1 + 1.4 + 2.8 + 1.2 - 11.0 - 7.1 - 1.5 - 4.6 + 2.3 + 3.8 + 5.4 + 4.6	+ 35.0 + 23.4 + 50.1 + 3.9 + 29.2 + 4.9 + 39.6 - 27.1 + 27.5 + 6.2 + 45.1 + 36.7 + 72.9 + 37.9 + 48.4	+ 26.2 + 24.6 + 27.9 + 22.8 + 30.3 + 53.6 + 23.3 + 27.9 + 3.7 + 16.2 + 17.3 + 30.6 + 68.2 + 45.7 + 23.7	+ 70.3 + 53.8 + 91.9 + 27.6 + 68.4 + 61.0 + 72.1 - 6.8 + 32.2 + 23.4 + 70.1 + 78.5 + 190.8 + 100.9 + 83.3		
Durable goods: Wood products Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products	136.0 137.3 130.0 148.3 180.2 210.9	136.6 147.2 131.5 134.7 184.8 223.2	- 0.4 - 6.7 - 1.1 + 10.1 - 2.5 - 5.5	+ 32.3 + 44.8 + 62.9 + 39.5 + 78.3 + 66.4	+ 20.5 + 24.2 + 20.3 + 16.6 + 58.5 + 59.8	+ 59.3 + 79.8 + 95.9 + 62.6 + 182.6 + 166.0		

¹ The grouping of the volume indexes have not yet been changed to the revised classification basis.

TABLE 6. Percentage Variation of Manufacturing in Canada, by Provinces and Groups, 1960 Compared with 1959

	196	0 compared with 1	959
Province and group	Number of employees	Salaries and wages	Selling value of factory shipments
Canada¹	- 1.0	+ 2,5	+ 1.8
Yewfoundland	- 1.5	+ 6.8	+ 8.7
Prince Edward Island	+ 1.6	+ 9.9	+ 8.7
Vova Scotia	+ 1.5	+ 5.3	+ 4.3
New Brunswick	+ 6.1	+ 11.8	+ 15.5
Quebec	+ 0.6	+ 4.6	+ 3,8
	- 2, 2	+ 0.7	+ 0.3
Ontario	- 2.9	- 0.4	- 1.6
Manitoba	+ 0.7		- 2, 2
Saskatchewan			
Alberta	- 1.1	+ 3.3	+ 1.1
British Columbia	- 1.2	+ 3.9	+ 2.7
Yukon and Northwest Territories	+ 7.8	+ 1,0	+ 8.4
All groups	- 1.0	+ 2,5	+ 1.8
Foods and beverage industries ²	+ 0,8	+ 3.7	+ 0.7
Tobacco products industries	- 5.4	+ 0,7	+ 3.0
Rubber industries	- 3.7 - 3.7	- 2.7 - 0.2	- 7.1 - 2.7
Leather industries	- 2.8	+ 2.0	+ 1.2
Knitting mills	- 1.1	+ 3.6	+ 4.7
Clothing industries	+ 0.2	+ 1.4 + 2.1	+ 1.5
Wood industries	- 5.3 + 1.2	+ 2.1	+ 1.0
Furniture and fixture industries	+ 0.8	+ 6.1	+ 4.4
Printing, publishing and allied industries	+ 1.6	+ 5.8	+ 7.1
Primary metal industries	+ 1.4	+ 4.2	+ 5.1 + 1.2
Metal fabricating (except machinery and transportation equipment industries)	- 0.3 - 3.9	+ 2.5 - 0.8	+ 2.6
Machinery industries (except electrical machinery) Transportation equipment industries	- 3.7	- 2.5	- 1.4
Electrical products industries	- 3.8	+ 0.4	+ 0.5
Non-metallic mineral products	- 1.8	- 0.6	- 3.7 + 2.9
Petroleum and coal products industries Chemical and chemical products industries	- 1.0 + 0.5	+ 3.0 + 5.6	+ 4.3
Miscellaneous manufacturing industries	+ 3, 3	+ 8,0	+ 5. (

Canada and provincial figures do not include "Poultry Processors" and "Dental Laboratories".
 Does not include "Poultry Processors".
 Does not include "Dental Laboratories".

Tables 7 to 9 give a picture of the growth of manufacturing, in general, as shown by comparable principal statistics, i.e., establishments, capital, employees, salaries and wages paid,

cost of materials and values of products. A number of interesting comparisons are made to Tables 1, 2 and 3 and figures of consumption are given in Table 11.

TABLE 7. Summary Statistics of Manufactures, 1917-60

Note: Statistics of manufacturing from 1870 have been published, but between that year and 1917 they are not on a comparable basis to the segiven below. They will be found in Table 1 in the 1941 edition of this report. Statistics of the non-ferrous metal smelting industries were not included in manufactures prior to 1925.

Year	Estab- lish- ments	Capital	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Gross value of products ²
	No.	\$	No.		dol	lars	
i9 17	21, 845	2, 333, 991, 229	605, 523	497, 801, 844	1,539,678,811	1,281,131,980	2,820,810,791
19 18	21, 777	2, 518, 197, 329	602, 179	567, 991, 171	1,827,631,548	1,399,794,849	3,227,426,397
19 19	22, 083	2, 670, 559, 435	594, 066	601, 715, 668	1,779,056,765	1,442,400,638	3,221,457,403
19 20	22, 532	2, 923, 667, 011	598, 893	717, 493, 876	2,085,271,649	1,621,273,348	3,706,544,997
1921	20, 848	2, 697, 858, 073	438, 555	497, 399, 761	1,365,292,885	1, 123, 694, 263	2, 488, 987, 148
	21, 016	2, 667, 493, 290	456, 256	489, 397, 230	1,272,651,585	1, 103, 266, 106	2, 375, 917, 691
	21, 080	2, 788, 051, 630	506, 203	549, 529, 631	1,456,595,367	1, 206, 332, 107	2, 662, 927, 474
	20, 709	2, 895, 317, 508	487, 610	534, 467, 675	1,422,573,946	1, 075, 458, 459	2, 570, 561, 931
1925	20, 981	3, 065, 730, 916	522, 924 ³ 559, 161 ³ 695, 052 ³ 631, 429 ³	569, 944, 442	1,571,788,252	1, 167, 936, 726	2,816,864,958
1926	21, 301	3, 208, 071, 197		625, 682, 242	1,712,519,991	1, 305, 168, 549	3,100,604,637
1927	21, 501	3, 454, 825, 529		662, 705, 332	1,741,128,711	1, 427, 649, 292	3,257,214,876
1928	21, 973	3, 804, 062, 566		721, 471, 634	1,894,027,183	1, 597, 887, 676	3,582,345,302
1929	22, 216	4,004,892,009	665, 531 ³ 614, 696 ³ 528, 640 468, 833	777, 291, 217	2,029,670,813	1,755,386,937	3, 883, 446, 116
1930	22, 618	4,041,030,475		697, 555, 378	1,664,787,763	1,522,737,125	3, 280, 236, 603
1931	23, 083	3,705,701,893		587, 566, 990	1,221,911,982	1,252,017,248	2, 555, 126, 448
1932	23, 102	3,380,475,509		473, 601, 716	954,381,097	955,960,724	1, 980, 471, 543
1933	23, 780	3, 279, 259, 838	468, 658	436, 247, 824	967, 788, 928	919,671,181	1, 954, 075, 785
	24, 209	3, 249, 348, 864	519, 812	503, 851, 055	1, 229, 513, 621	1,087,301,742	2, 393, 692, 729
	24, 034	3, 216, 403, 127	556, 664	559, 467, 777	1, 419, 146, 217	1,153,485,104	2, 653, 911, 209
	24, 202	3, 271, 263, 531	594, 359	612, 071, 434	1, 624, 213, 996	1,289,592,672	3, 002, 403, 814
1937	24, 834	3, 465, 227, 831	660, 451	721, 727, 037	2,006,926,787	1,508,924,867	3, 625, 459, 500
1938	25, 200	3, 485, 683, 018	642, 016	705, 668, 589	1,807,478,028	1,428,286,778	3, 337, 681, 366
1939	24, 805	3, 647, 024, 449	658, 114	737, 811, 153	1,836,159,375	1,531,051,901	3, 474, 783, 528
1940	25, 513	4, 095, 716, 836	762, 244	920, 872, 865	2,449,721,903	1,942,471,238	4, 529, 173, 316
1941	26, 293	4, 905, 503, 966	961, 178	1,264,862,643	3, 296, 547, 019	2,605,119,788	6,076,308,124
1942	27, 862	5, 488, 785, 545	1, 152, 091	1,682,804,842	4, 037, 102, 725	3,309,973,758	7,553,794,972
1943	27, 652	6, 317, 166, 727	1, 241, 068	1,987,292,384	4, 690, 493, 083	3,816,413,541	8,732,860,999
1944	28, 483	Not collected	1, 222, 882	2,029,621,370	4, 832, 333, 356	4,015,776,010	9,073,692,519
1945	29, 050	2 9	1, 119, 372	1,845,773,449	4, 473, 668, 847	3,564,315,899	8, 250, 368, 866
1946	31, 249	0 9	1, 058, 156	1,740,687,254	4, 358, 234, 766	3,467,004,980	8, 035, 692, 471
1947	32, 734	0 9	1, 131, 750	2,085,925,966	5, 534, 280, 019	4,292,055,802	10, 081, 026, 580
1948	33, 420	9 9	1, 155, 721	2,409,368,190	6, 632, 881, 628	4,938,786,981	11, 875, 169, 685
1949 ⁴ 1950 ⁴ 1951 ⁴	35, 792 35, 942 37, 021 37, 929	2 2 2 2 2 2 2 2	1, 171, 207 1, 183, 297 1, 258, 375 1, 288, 382	2, 591, 890, 657 2, 771, 267, 435 3, 276, 280, 917 3, 637, 620, 160	6,843,231,064 7,538,534,532 9,074,526,353 9,146,172,494	5,330,566,434 5,942,058,229 6,940,946,783 7,443,533,199	12, 479, 593, 300 13, 817, 526, 381 16, 392, 187, 132 16, 982, 687, 035
1953 ⁴	38, 107 38, 028 38, 182 37, 428	9 9 9 9 9 9	1, 327, 451 1, 267, 966 1, 298, 461 1, 353, 020	3,957,018,348 3,896,687,691 4,142,409,534 4,570,692,190	9, 380, 558, 682 9, 241, 857, 554 10, 338, 202, 165 11, 721, 536, 889	7,993,069,351 7,902,124,137 ^{5,6} 8,753,450,496 9,605,424,579	17, 785, 416, 854 17, 554, 527, 504 ⁵ 19, 513, 933, 811 21, 636, 748, 986
1957 ⁴	37, 875	2 9	1, 359, 061	4, 819, 627, 999	11, 900, 751, 703	9,822,084,726	22, 183, 594, 311
	36, 741	2 9	1, 289, 602	4, 802, 496, 260	11, 821, 567, 471	9,792,505,931	22, 163, 186, 308
	36, 193	9 9	1, 303, 956	5, 073, 073, 706	12, 552, 200, 543	10,320,962,881	23, 311, 601, 481
			Basis: Stand	dard Industrial Cl	assification, revis	ed, 1960.	
19577	36,578	Not collected	1, 355, 313	4,809,218,401	11, 846, 064, 933	9, 702, 351, 523	22, 090, 916, 094
19587	35, 501	Not collected	1, 286, 758	4, 796, 102, 682	11, 770, 562, 428	9, 857, 742, 613	22, 064, 460, 808
1959*	35, 075	, ,	1, 300, 765	5, 062, 744, 615	12, 496, 864, 441	10, 306, 282, 267	23, 204, 208, 671
19607	36, 682	,,	1, 294, 629	5, 207, 167, 393	12, 705, 070, 820	10, 533, 208, 994	23, 747, 457, 083

¹ For 1924-51, inclusive, the "Value added by manufacture" is computed by subtracting the cost of fuel, electricity and materials from the gross value of products. For 1952 and 1953 the deduction is made from "Value of factory shipments". In.1954 and subsequent years from the calculated value of production which is obtained by adding to the shipments the value of the closing inventory or minus the value of the opening inventory of goods in process and finished goods. Figures prior to 1924 are not strictly comparable, since statistics for the cost of electricity are not available.

by \$268,000,000 from the 1958 basis.

7 Principal Statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960. Statistics for 1960 include two industries which were not covered in previous years: Poultry Processors in the Food and Beverage Industries Group and Dental Laboratories in the Miscellaneous Manufacturing Industries Group. (See text p. 13 to 15).

goods in process and finished goods. Figures prior to 1924 are not strictly comparable, since statistics for the cost of electricity are not available. (See text p. 27).

In 1952 and subsequent years the basis of collection is "Value of factory shipments" instead of "Gross value of products".

A change in the method of computing the number of wage-earners in the years, 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. In 1931, however, the method in force prior to 1925 was readopted.

Newfoundland is included for 1949 and subsequent years, however, figures for the fish processing industry, 1949 and 1950, were not available for this province and therefore, not included.

There were three major changes in concept affecting the data for the Primary Iron and Steel Industry in 1954. The first one involved a change in the method of counting establishments; the second concerned a change in valuing shipments of wire rods transferred to makers' own processing plants; while the third concerned the method of calculating "Value added by manufacture". Figures for 1954 and subsequent years are therefore not comparable with previous years. See footnotes to Table 2 of the 1954 report on the Primary Iron and Steel Industry.

In 1954 there was a change in procedure of reporting the value of products in the Petroleum products industry. This increased the value of products by approximately \$139,000,000, Another change was made in 1959 which lowered the value of production in the Petroleum Refining Industry \$268,000,000 from the 1958 basis.

30 GENERAL REVIEW

TABLE 8. Summary Statistics of Manufactures on the Revised Standard Industrial Classification Basis, by Provinces, 1957 - 601

(Statistics for significant years back to 1917 are given in Tables 2 and 3 of the General Review for 1959)

Province	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ²	Selling value of factory shipments
	nun	ber		dol	lars	1
Newfoundland:		40 450				
1957	901	10,452	32,773,380	53,947,998	56, 339, 618	117,640,668
1958	754 786	9,600 9,623	29, 226, 969 30, 598, 401	52, 103, 887 53, 954, 361	58,339,411 57,318,077	116,903,907
1960	635	9,489	32,703,188	58,903,797	64, 560, 269	118,938,686
	0,70	3, 403	52, 105, 106	30,303,131	04, 500, 205	123, 204, 310
Prince Edward Island:	189	1,613	3, 212, 374	17 000 E11	6 002 770	04 402 416
1958	175	1,610	3, 333, 260	17,999,511 18,978,311	6,093,779 7,056,830	24, 493, 412 26, 458, 380
1959	174	1,721	3,774,651	19,618,122	7, 293, 080	27, 264, 874
1960	184	1,806	4, 254, 917	21, 220, 060	8,690,360	30, 231, 361
Nova Scotia:			.,	,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	00, 202, 002
1957	1, 294	31, 324	90, 185, 922	229,876,816	171, 324, 308	414,903,066
1958	1, 237	28,762	85, 421, 927	210, 221, 415	174, 904, 448	400,767,866
1959	1, 257	27,997	87, 250, 746	215, 198, 733	158, 359,003	386, 470, 411
1960	1, 278	28,606	92, 280, 125	220, 292, 841	174,808,237	406, 182,088
New Brunswick:						
1957	964	20,975	60,477,787	174,685,390	122,893,918	311, 715, 799
1958	922	20,734	61,059,451	170, 494, 005	130, 573, 966	311,927,294
1959	900	20,921	63, 871, 690	178,022,837	133, 411, 396	325, 414, 733
1960	901	22, 267	71, 586, 377	209, 113, 069	158, 035, 175	377, 110, 146
Quebec:						
1957	11,920	448,617	1, 476, 588, 663	3, 578, 906, 458	2,909,664,556	6,675,641,610
1958	11,507	428,553	1, 474, 737, 937	3,604,113,294	3,061,265,464	6,748,747,620
1959	11, 293	430,531	1,545,790,163	3,760,205,098	3,003,262,640	6,915,449,758
1960	11,961	433,949	1,620,314,474	3,881,172,827	3, 172, 769, 694	7, 206, 096, 003
Ontario:						
1957	13,079	642,481	2, 425, 331, 675	5, 781, 130, 876	5,002,690,629	11,020,527,114
1958	12,801	605,839	2, 413, 610, 158	5,667,200,473	4,907,056,284	10,810,470,125
1959	12,650	614, 480	2,560,103,902	6, 143, 081, 617	5, 322, 722, 752	11, 599, 765, 654
1960	13, 387	603, 467	2,585,676,553	6,126,027,277	5, 319, 683, 901	11,685,675,652
Manitoba:						
1957	1,485	43,738	139,794,593	379, 176, 924	269,918,246	663, 290, 931
1958	1,536	42,022	141, 286, 373	396, 881, 181	281, 190, 697	690,545,053
1959	1,522	43,007	153,613,079	421, 542, 217	308, 312, 242	742, 183, 196
1960	1,592	42, 339	154, 263, 811	419, 583, 431	306, 434, 692	738, 457, 346
Saskatchewan:						
1957	803	11,942	40,678,214	188,694,088	106, 957, 193	304,646,672
1958	927	12, 191	42,941,559	198, 362, 095	119,065,901	329, 434, 760
1959	840	12, 407	46, 532, 277	212, 568, 673	123, 974, 515	344,084,883
1960	887	12,918	49,764,266	215, 404, 848	119,776,935	344, 773, 261
Alberta:						
1957	1,796	38, 598	134,907,636	454, 160, 456	300,711,511	770, 250, 899
1958	1,672	37,402	138,039,307	488, 146, 978	328,927,613	833, 105, 391
1959	1,750	39,016	149,969,677	516,032,439	338,032,355	869, 404, 244
1960	1,848	39, 157	156,339,528	524,908,916	353, 197, 544	889,657,800
British Columbia:						
1957	4, 125	105, 407	404,610,392	985,859,605	754, 342, 979	1,784,584,855
1958	3,952	99,900	405,767,584	961,320,605	788, 363, 705	1,792,120,923
1959	3,981	100,947	420,629,945	974, 483, 535	852,929,943	1,872,399,846
1960	3,995	100,507	439,368,651	1,026,998,973	853,836,400	1,936,917,630
Yukon and Northwest Territories:						
1957	22	166	657,765	1,627,311	1, 414, 786	3, 221, 268
1958	16	145	678, 157	2,740,184	998, 294	3,979,489
1959	12	115	610,084	2, 156, 809	666, 264	2, 832, 386
1960	14	124	615,503	1,444,781	1,325,787	3,071,218

¹ See footnote 7, Table 7. ² See footnote 1, Table 7.

TABLE 9. Summary Statistics of Manufactures on the Revised Standard Industrial Classification Basis, by Industrial Groups, 1957-601

(Statistics for significant years back to 1917 are given in Tables 2 and 3 of the General Review for 1959)

and grow at factor 2 and 3 of the General review for 1959)								
Industrial group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ²	Selling value of factory shipments		
	numl	per		dol	dollars			
Food and beverage industries:				1	1			
1957 1958 1959 1960 ¹	8,518 8,401 8,150 8,488	192, 443 190, 766 192, 396 198, 611	592,068,171 625,386,856 664,835,670 700,983,814	2,752,710,942 2,982,311,034 3,012,334,446 3,118,200,331	1, 408, 721, 142 1, 543, 190, 009 1, 628, 418, 783 1, 704, 539, 866	4, 229, 105, 615 4, 578, 800, 692 4, 728, 164, 094 4, 880, 293, 652		
Tobacco products industries: 1957	49 40 40	9,905 10,319 10,287	33, 322, 821 37, 143, 602 38, 078, 218	160,710,422 206,043,534 212,770,678	88, 179, 320 98, 600, 156	249,734,356 305,138,636 324,563,661		
1960	40	9,731	38, 354, 483	216, 354, 230	111, 219, 179 117, 789, 866	334, 413, 635		
Rubber industries:		and the same of th						
1957	90 91 90 92	22, 186 19,951 21,101 20,311	83, 219, 238 76, 469, 794 86, 894, 694 84, 525, 519	144, 271, 902 128, 619, 194 160, 441, 694 152, 660, 298	176, 947, 370 174, 884, 099 188, 249, 480 168, 965, 070	326, 182, 742 308, 488, 244 347, 798, 004 323, 053, 118		
Leather industries:								
1957 1958 1959 1960	641 619 600 608	31,810 30,981 31,601 30,424	79, 415, 508 80, 878, 173 84, 066, 826 83, 918, 955	124,774,575 127,543,441 145,912,239 134,436,607	116, 581, 669 122, 908, 431 132, 051, 503 130, 595, 924	243,747,757 253,536,245 275,622,759 268,114,309		
Textile industries:								
1957 1958 1959 1960	936 909 889 924	68, 315 63, 265 63, 524 61, 756	200, 794, 739 192, 526, 181 202, 525, 667 206 500, 220	411, 453, 084 396, 711, 987 432, 984, 882 430, 561, 782	318,824,667 322,472,570 362,516,410 368,610,350	745,645,396 740,058,566 804,261,185 810,522,933		
Knitting mills:		l						
1957 1958 1959 1960	310 321 319 362	21,661 20,936 20,992 20,765	50, 216, 758 49, 829, 169 52, 187, 295 54, 050, 926	88, 782, 158 88, 610, 388 98, 658, 641 104, 085, 566	81, 413, 897 83, 974, 838 90, 748, 070 93, 359, 607	172, 161, 757 173, 576, 575 189, 267, 687 198, 159, 994		
Clothing industries:								
1957 1958 1959 1960	2, 533 2, 446 2, 344 2, 391	89,991 86,768 86,659 86,875	215, 046, 237 214, 888, 038 224, 040, 281 227, 213, 881	396, 967, 365 388, 093, 909 399, 842, 421 402, 732, 198	342,639,068 350,135,455 362,010,983 369,365,614	742,845,449 742,185,179 759,219,309 770,468,489		
Wood industries:								
1957 1958 1959 1960	8,736 7,939 7,835 7,490	92,896 88,103 90,018 85,262	267, 101, 547 267, 793, 928 277, 560, 778 283, 521, 417	569, 064, 408 558, 286, 107 590, 818, 752 598, 131, 213	426, 585, 067 442, 214, 723 472, 692, 288 454, 978, 488	1,011,994,598 1,017,689,686 1,079,259,366 1,068,041,527		
Furniture and fixture industries:								
1957 1958 1959 1960	2,010 1,859 1,925 2,099	34,028 32,812 33,803 34,206	101, 218, 122 101, 069, 479 110, 086, 601 112, 660, 387	157, 532, 471 155, 669, 395 168, 063, 646 166, 268, 761	159, 084, 872 163, 648, 782 175, 237, 924 178, 493, 573	320, 395, 746 322, 851, 798 344, 422, 717 347, 980, 824		
Paper and allied industries:								
1957 1958 1959 1960	587 563 561 581	95, 250 93, 443 94, 664 95, 433	406,633,191 411,614,113 432,408,982 458,624,265	896, 693, 803 891, 897, 757 943, 265, 277 979, 872, 639	874, 349, 535 914, 801, 141 982, 823, 273 1, 035, 904, 372	1,884,235,849 1,902,602,012 2,037,551,878 2,128,107,197		
Printing, publishing and allied industries:								
1957 1958 1959 1960	3, 354 3, 272 3, 314 3, 462	72, 243 70, 677 72, 551 73, 694	269, 475, 421 284, 473, 776 305, 140, 444 322, 788, 021	228, 778, 515 237, 188, 035 256, 530, 790 274, 846, 086	473, 140, 522 504, 292, 221 550, 657, 425 586, 142, 192	707,759,185 746,227,780 808,639,939 865,930,729		
Primary metal industries:	401	0.0.004	417 000 405	1 404 511 500	000 412 21			
1957	431 416 411 418	92,894 82,835 88,817 90,025	417,080,485 387,729,188 436,277,440 454,582,536	1, 424, 711, 562 1, 251, 845, 721 1, 499, 019, 794 1, 598, 265, 430	990,448,242 980,229,624 1,035,078,014 1,047,115,445	2,511,312,371 2,220,599,924 2,610,650,087 2,742,520,081		

See footnotes at end of table.

TABLE 9, Summary Statistics of Manufactures on the Revised Standard Industrial Classification Basis. by Industrial Groups, 1957 - 601 - Concluded

Industrial group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ²	Selling value of factory shipments			
	nur	nber	dollars						
Metal fabricating (except machinery and transportation equipment industries): 1957	2,457	100,849	393,967,825	629, 122, 764	679,437,957	1,326,743,944			
	2,626	93,995	380,749,200	607, 337, 310	671,465,537	1,298,538,620			
	2,613	98,824	418,305,886	675, 064, 982	735,957,120	1,415,334,196			
	2,896	98,505	428,738,381	662, 679, 077	750,664,816	1,432,904,803			
Machinery industries (except electrical machinery): 1957	494	46,053	181,098,852	267, 315, 662	331,400,658	604,782,974			
	523	41,348	173,722,971	258, 642, 207	285,603,102	554,564,798			
	521	45,264	201,066,136	302, 870, 740	340,390,761	626,103,977			
	533	43,495	199,427,682	299, 071, 885	329,763,223	642,458,967			
Transportation equipment industries: 1957 1958 1959 1960	620	144,753	591, 941, 950	1,295,771,026	959, 489, 205	2,227,818,862			
	621	126,121	554, 193, 448	1,161,487,548	883, 763, 897	2,085,796,821			
	640	113,583	531, 689, 833	1,215,799,941	911, 812, 139	2,028,871,429			
	687	109,417	518, 352, 786	1,096,084,723	871, 734, 759	2,000,689,246			
Electrical products industries: 1957 1958 1959 1960	513	90,092	351, 612, 415	558,106,167	623, 144, 136	1, 192, 332, 448			
	512	82,445	343, 434, 579	535,054,177	572, 304, 656	1, 121, 892, 189			
	522	81,727	347, 088, 588	568,226,889	617, 677, 328	1, 169, 628, 062			
	548	78,648	348, 588, 227	545,995,616	624, 613, 582	1, 175, 966, 233			
Non-metallic mineral products: 1957 1958 1959 1960	1, 204	39,098	146, 249, 313	205, 237, 469	325, 133, 046	581,535,118			
	1, 221	39,844	157, 759, 293	213, 567, 937	355, 542, 551	614,809,840			
	1, 225	42,365	174, 491, 705	236, 584, 159	390, 618, 532	672,351,110			
	1, 331	41,606	173, 428, 100	230, 750, 338	373, 070, 496	647,461,580			
Petroleum and coal products industries: 1957 1958 1959 1960	85 96 88 96	15, 617 16, 316 14, 661 14, 513	78,799,697 85,551,656 82,995,439 85,446,911	841,059,891 839,526,042 870,753,290 873,633,610	505,597,526 478,508,373 245,631,947 279,705,068	1,401,777,040 ³ 1,385,215,080 ³ 1,164,297,008 ³ 1,197,967,758 ³			
Chemicals and chemical products industries: 1957	1,123	53,986	218, 998, 357	512,831,179	585,779,852	1, 139, 898, 207			
	1,125	53,852	230, 685, 526	540,932,720	656,321,752	1, 235, 704, 792			
	1,123	53,995	239, 748, 172	577,665,923	689,707,619	1, 316, 356, 806			
	1,143	54,269	253, 231, 119	582,843,034	747,753,234	1, 373, 466, 548			
Miscellaneous manufacturing industries: 1957	1,887	41, 243	130, 957, 754	180, 169, 568	235, 453, 772	420,897,680			
	1,901	41, 981	140, 203, 712	201, 193, 985	252, 880, 696	456,183,331			
	1,865	43, 933	153, 255, 960	219, 255, 257	282, 783, 489	501,845,397			
	2,493	47, 083	172, 219, 763	237, 597, 396	300, 043, 449	538,935,510			

Significant Changes in Manufacturing Production. — The figures in Table 10 trace the tendencies in Canadian manufacturing industries as clearly as possible from 1917 to 1960. In analysing statistics of production and materials used, price changes should be borne in mind, particularly the inflation of values in the years immediately following World War I, the drop in prices of commodities during the depressions following 1921 and 1930, and the increases again in the recent war and post-war period. The figure that shows most clearly the trend of development is concerned with the use of power. The total horse-power employed increased from 1,658,475 in 1917 to 12,046,697 in 1958, an advance of about 625 p.c. in 41 years. In the same period, horse-power per production employee showed an uninterrupted trend from 3.06 to 10.82 in 1933 and 9.46 in 1939. With the large increase in the number of production employees on war production, and the more efficient utilization of the equipment available, the horse-power per production employee dropped to 6.28 in 1944; the increasing installation of power machinery and the decline in employment after the war resulted in a rise to 8.52 in 1948 and 12.27 in 1958. The significant feature is the increase in both the absolute figures of power employed and the averages per production employee during the depression years as compared with 1929, although the large numbers of persons again finding employment since 1933 reduced the averages for the years 1934 to 1937 and again for 1940 to 1945. Other interesting comparisons are the trend of value added by manufacture, per employee, and of average earnings since 1929. Between 1949 to 1960 the value of purchased fuel and electricity increased by 75.0 per cent; for full details of fuel and electricity used by the manufacturing industries see Tables 64 and 65.

¹ See footnote 7, Table 7.
² See footnote 1, Table 7.
³ The figures for 1959 and 1960 are not comparable to those of 1957 and 1958 because of a change in the method of valuation for products in the Petroleum Refining Industry. It is estimated that if the revised basis of valuation had been used for 1957 and 1958 the value of shipments in those years would have been about \$258,000,000 lower.

TABLE 10. Significant Statistics of Manufactures for Significant Years 1917-60

To organical statistics of manufactures for Significant Years 1917-60									
Item	1917	1920	1929¹	1933					
Establishments	21, 845	22, 532	22.216						
Totals, employees	606, 523	598, 893 26, 6	22, 216 666, 531	23, 780 468, 658					
Total earnings	497, 801, 844 22, 788 821	717, 493, 876 31, 843 1, 198	30.0 777, 291, 217 34, 988	19.7 436, 247, 824 18, 345					
Administrative and office employees No. Averages, per establishment "	64,918	78,334	1, 166	931 86,636					
Earnings \$ Averages, per employee \$	3. 0 85, 353, 667	3. 5 141, 837, 361	4.0 175, 553, 710	3. 6 139, 317, 946					
Production workers No. Averages, per establishment "	1,315 541,605 24.8	1, 811 520, 559	1, 976 577, 690	1,608 382,022					
Earnings	412, 448, 177	23. 1 575, 656, 515	26. 0 601, 737, 507	16. 1 296, 929, 878					
Cost of materials	1,539,678,811 70,482 2,539	1, 106 2,085, 271, 649 92, 547 3,482	1,042 2,029,670,813 91,361 3,045	967, 788, 928 40, 698					
Values added by manufactures ² \$ Averages, per establishment ² \$ Averages, per employee ² \$	1, 281, 131, 980 58, 646 2, 112	1, 621, 273, 348 71, 954 2, 707	1, 755, 386, 937 79, 015 2, 634	2,065 919,671,181 38,674 1,962					
Gross value of products	2, 820, 810, 791 129, 128 4, 651	3,706,544,997 164,501 6,189	3, 883, 446, 116 174, 804 5, 286	1,954,075,785 82,173 4,170					
Power employed hp. Averages, per establishment Averages, per production worker ""	1, 658, 475 76 3, 06	2,068,875 92 3.97	3,855,648 174 6.67	4, 135, 008 174 10. 82					
	1939	1944	1949	1960					
Establishments	24, 805	28, 483	35, 792	36, 682					
Totals, employees	658, 114 26. 5	1, 222, 882	1,171,207 32.7	1, 294, 629					
Total earnings	737, 811, 153 29, 744 1, 121	2,029,621,370 71,257 1,660	2, 591, 890, 657 72, 415 2, 213	5, 207, 167, 393 141, 954 4, 022					
Administrative and office employees	124, 772	192, 558	221, 551 6- 2	309,644					
Earnings \$ Averages, per employee \$	217, 839, 334	418, 065, 594	628, 427, 937 2, 836	1, 606, 967, 827 5, 190					
Production workers No. Averages, per establishment "	533, 342	1,030,324 36.2	949, 656	984, 985 26. 9					
Earnings \$ Averages, per employee \$	519, 971, 819	1,611,555,776	1,963,462,720 2,068	3,600,199,566 3,655					
Cost of materials \$ Averages, per establishment \$ Averages, per employee \$	1, 836, 159, 375 74, 024 2, 790	4, 832, 333, 356 169, 657 3, 952	6, 843, 231, 064 191, 194 5, 843	12,705,070,820 346,357 9,814					
Values added by manufactures \$ Averages, per establishment \$ Averages, per employee \$	1,531,051,901 61,724 2,326	4,015,776,010 140,989 3,284	5, 330, 566, 434 148, 932 4, 551	10, 533, 208, 994 287, 149 8, 136					
Gross value of products \$ Averages, per establishment \$ Averages, per employee \$	3, 474, 783, 528 140, 084 5, 280	9,073,692,519 318,565 7,420	12, 479, 593, 300 348, 670 10, 655	23, 747, 457, 083 ⁴ 647, 387 18, 343					
Ower employed hp. Averages, per establishment ** Averages, per production worker ** **	5, 045, 287 203 9, 46	6, 468, 439 227 6, 28	3 3 3	12,046,697 ⁵ 328 12,27					

¹ A change in the method of computing the number of production workers in the years 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used wou'd have given. There was, therefore, a proportionate reduction in the averages for 1925 - 30 per employee as compared with what these averages would have been under the other method. In 1931, however, the method in force prior to 1925 was re-adopted.

¹ See footnote 1, Table 7.

¹ Collected only every five years.

⁴ See footnote 2, Table 7.

⁵ These figures are for 1958.

Consumption of Manufactured Products. - One of the beneficial results of adopting the same classification for external trade and for production is exhibited in Table 11, where the value of commodities made available for consumption in Canada is derived from these statistics. For example, the value of all manufactured commodities made available in 1960 was \$23,858,423,551, a figure obtained by adding to the value of manufactured products the value of the imports of manufactured and partly manufactured goods and deducting the

value of the exports. In this table more accurate statistics could be presented were it possible to exclude from the gross value of manufactured products the duplications involved when the products of one manufacturing establishment become the material worked upon in another. Iron, vegetable, wood and paper, non-ferrous metals, animal, non-metallic minerals and textiles and textile products were, in that order, the leading groups in the value of finished products made available for consumption in 1959.

Animal, wood and paper and non-ferrous metal products were manufactured in Canada in greater quantities than required for home consumption, providing export balances in these groups.

On balance, Canada in the past imported large quantities of iron and steel, textiles, chemicals and non-metallic mineral products in spite of large home production. The expansion of the iron and steel, chemical and non-metallic mineral products industries will enable Canada to meet more of her requirements for home consumption and to export greater quantities in the

Significant changes have taken place since 1939 in the type of manufactured products made available for consumption. In that year, the iron and its products group was in leading position and contributed 19.8 per cent of the total value of manufactured products. In 1959 this group was still in first place, but the percentage went up to 27.3. The wood and paper products, non-ferrous metals, non-metallic minerals, chemicals and allied products and miscellaneous industries groups also increased their share of the total. The three mineral groups. combined, increased substantially their share of the total from 35.9 in 1939 to 46.4 in 1959. This indicates a higher standard of living for the Canadian people and also reflects the great expansion and diversification in manufacturing which has taken place since 1939. The industries producing consumer goods, on the other hand, suffered a relative decline. Vegetable products dropped from 19.6 to 13.9, animal products from 11.8 to 10.0 and textiles and textile products from 13.3 to 8.2. The following table gives the relative position of the major industrial groups in 1939 and 1959.

Production statistics for the nine groups of the chief component material classification system are not available for 1960.

Manufactured Products Made Available for Consumption

(Percentage of the Total)

Group	1939	1959	Group	1939	1959
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products	19.6 11.8 13.3 11.6 19.8	13.9 10.0 8.2 12.6 27.3	Non-ferrous metal products	8.9 7.2 5.3 2.5	10.4 8.7 5.9 3.0 100.0

TABLE 11. Consumption of Manufactured Products, 1928-60, and by Industrial Groups, 1959

	Value of	Manufacture manufactur	d and partly red goods ²	Value of manufactured products	
Year and group	products manufactured ¹	Value of net imports	Value of domestic exports	available for consumption	
		dol	lars		
1928 1929 1933 1939 1941 1942 1943 1944 1945 1946 1947 1948 1950 1950 1951 1952 1952 1953 1954 1955 1956 1957 1958	3,582,345,302 3,883,446,116 1,954,075,785 3,474,783,528 6,076,308,124 7,553,794,972 8,732,860,999 9,073,692,519 8,250,368,866 8,035,692,471 10,081,026,580 11,875,169,685 12,479,593,300 13,817,526,381 16,392,187,132 16,982,687,035 17,785,416,854 17,554,527,504 19,513,933,811 21,636,748,986 22,183,594,311 22,163,594,311 22,163,5186,308 23,311,601,481	954, 387, 551 939, 130, 201 298, 068, 344 542, 364, 930 1, 123, 994, 913 1, 283, 884, 068 1, 305, 838, 746 1, 302, 413, 996 1, 117, 544, 874 1, 390, 123, 100 1, 928, 250, 119 1, 869, 702, 089 2, 043, 583, 929 2, 289, 162, 070 3, 034, 709, 829 3, 125, 381, 333 3, 519, 418, 503 3, 299, 535, 681 3, 781, 212, 944 4, 639, 037, 713 4, 525, 370, 602 4, 046, 816, 666 4, 458, 949, 378 5, 351, 015, 244	698, 376, 615 686, 876, 071 365, 232, 113 646, 853, 938 1, 292, 855, 603 2, 056, 368, 079 2, 444, 862, 298 2, 688, 575, 781 2, 352, 441, 796 1, 701, 677, 026 2, 124, 740, 343 2, 259, 247, 456 2, 017, 055, 615 2, 239, 733, 915 2, 749, 091, 256 2, 882, 543, 945 2, 781, 269, 785 2, 811, 573, 960 3, 143, 126, 437 3, 261, 774, 777 3, 251, 376, 449 3, 079, 340, 217 3, 300, 580, 072 5, 240, 048, 776 5, 240, 048, 776	3,838,356,238 4,135,700,246 1,886,912,016 3,370,294,520 5,907,447,434 6,781,310,961 7,593,837,447 7,107,530,734 7,015,471,944 7,724,138,545 9,884,536,356 11,485,624,318 12,506,121,614 13,866,954,536 16,677,805,705 17,215,524,423 18,523,565,572 17,982,489,225 20,152,200,318 23,014,011,922 23,458,088,464 23,130,592,757 24,469,970,787 23,588,423,551	
Industrial groups, 1959 ³ Vegetable products Animal products Textiles and textile products	3,230,075,138 2,514,919,044 1,688,475,623	367, 473, 986 72, 287, 866 353, 215, 720	209, 430, 164 132, 523, 520 23, 035, 172	3,388,118,960 2,454,683,390 2,018,656,171	
Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries ⁴	4, 290, 656, 349 5, 085, 234, 191 2, 787, 915, 331 1, 962, 245, 129 1, 320, 533, 902 431, 546, 774	258, 184,010 2,003, 849, 165 407, 155,941 302, 237, 544 322, 639, 579 371, 905, 567	1,471,793,091 405,529,573 654,708,958 134,043,311 201,728,577 67,787,706	3,077,047,268 6,683,553,783 2,540,362,314 2,130,439,362 1,441,444,904 735,664,635	
Totals	23, 311, 601, 481	4, 458, 949, 378	3,300,580,072	24, 469, 970, 787	

¹ For 1952 and subsequent years the figures are ''Selling value of factory shipments'' instead of ''Value of products manufactured''.
² Figures for the years 1928-38 are for the fiscal years ended Mar. 31 of the following years: for 1939-60 they are for the calendar year. Net imports are total imports less foreign products re-exported.
³ Consumption figures for the major groups of the Standard Industrial Classification cannot be calculated as statistics of imports and exports are still compiled on the component material classification basis.
⁴ Statistics for the miscellaneous group since 1958 are not comparable with previous years when various non-commercial items were included, items which now are being excluded entirely from the published totals of Canadian merchandise trade. Due to these exclusions export figures of the miscellaneous group declined about \$30,000,000 while imports declined about \$150,000,000. This resulted in an overstatement of about \$120,000,000 in the available for consumption figures for 1957 and earlier years. in the available for consumption figures for 1957 and earlier years.

SECTION 2. VALUE AND VOLUME OF MANUFACTURED PRODUCTS

Value of Manufactured Products.—In the interpretation of manufacturing values over a number of years, variations in the level of prices must be borne in mind. In recent years, due to violent changes in prices, unadjusted value series, used in isolation, have become increasingly inadequate as indicators of economic trends. Of necessity, interest has shifted to measures of volume. The range of prices since 1917, on the base period 1935-39=100, was as follows:

Year	General wholesale	Fully or chiefly manufactured products
1917	148,9	150,9
1920	203,2	208.2
1929	124.6	123.7
1933	87.4	93.3
1939	99.2	101.9
1949	198.3	199.2
1960	230.8	242.2

Volume of Manufactured Products. — Since real income is ultimately measured in goods and services, the growth of the volume of manufacturing production, as distinguished from its value, becomes a matter of great significance. The important thing to know is whether consumers are getting more goods and services, and not whether they are expending more dollars and cents. The field of industrial production, because of its dominating position in the national economy, has attracted increasing attention. This, in turn, has resulted in the need for more accurate measurements of physical output.

The Industrial Output Section of the Bureau's National Accounts Division is responsible for the construction of the Index of Industrial Production. The revised indexes with 1949 as the base year are given in Tables 13,14 and 15. The project consisted mainly of establishing annual gross and net levels of production for each industry from census of industry data and of improving the reliability of the current monthly series. For a description of the methods used in constructing the indexes and a description of its scope, see D.B.S. Reference Paper No. 34 "Revised Index of Industrial Production, 1935-1951".

The construction of this index was made possible by the availability of a great deal of basic data. Annual statistics valuable for this project have been collected by the Bureau without interruption from the end of the first World War to the present, and the scope of the monthly information has been greatly expanded. Applying the methods developed through the experience of the last quarter century, it has been possible to compute an index with a fair measure of accuracy from 1935 to the present.

Prior to the end of the first World War, the movement of industrial production was regarded as following the output of a few factors such as pig iron. The introduction of the index number placed the information on a much wider base. It is safer to base one's impression of the current trend upon a comprehensive index embracing a wide range of economic factors than upon any limited group of components that necessarily fluctuated according to particular influences.

An index of this kind offers considerable advantage in analyzing social and economic problems. The greatest call for the index is for the interpretation of current economic conditions. It is particularly relevant in the study of business fluctuations. While the index is based on the sectors of the economy that are particularly sensitive to short term influences, it also reflects a large part of the variations in the total of all economic activity. The output of mines and factories plays a dominant part in economic fluctuations and is closely associated with transport and trade which are mainly concerned with the distribution of commodities. The barometric nature of the industrial sector enhances the value of the index as

an indicator of short-term movements but its usefulness in the interpretation of long-term economic developments should not be overlooked.

The Canadian annual Census of Industry, from which final benchmark indexes are computed, covers practically all establishments, but excludes work in the home. In the matter of repairs, the census of manufactures generally excludes work performed in connection with a service trade such as boot and shoe and automobile repairs. However, the census covers repairs carried on essentially under industrial conditions, such as ship and locomotive repairs. Consequently only industrial-type repairs are included in the index.

The framework of the revised index is based on the new Standard Classification of Industries prepared by an inter-departmental working committee. The preceding system used by the Bureau of Statistics was of a three-fold nature based on (1) chief component material; (2) purpose and (3) origin. The first principle was used most extensively, the criteria of purpose and origin having been used for the presentation of supplementary series which played a secondary role in Bureau publications.

The main innovation introduced in the Standard Classification was the compromise between the different principles. In recent years, Canada's industrial system has undergone considerable development, from a country primarily concerned with the early stages in the processing of primary materials to one that is turning out more and more goods for final consumption. Consequently, in establishing the new classification, the concept of "purpose" has been combined with that of "chief component material" in the framework of the classification of manufacturing industries. The purpose phase was regarded as most appropriate for the wide range of consumer goods such as clothing and foods and beverages.

The industries grouped under the component material phase of the classification from 1935 to 1948 were re-arranged to conform with the standard model. As most of the industries were not greatly affected by the change in classification they were transferred intact to the proper position in the new system. The standard classification, for the most part, provided for comparability at the industry level. It was applied to establishments for the first time in the 1949 census of manufactures. In a number of industries, where the change in classification seriously disturbed the continuity, establishments were re-combined for the whole period covered by the index. The manufacture of synthetic rubber, for example, was transferred from the rubber industry to "miscellaneous chemicals". Plants engaged in the production for distribution of manufactured gas were transferred from "coke and gas" to the gas and electricity division. The salt industry was adjusted so as to comprise only processing operations for inclusion in the manufacturing division of the index. Three minor industries which were re-classified to non-industrial groups were dropped from the computation.

The appropriate series in the manufacturing division were re-classified to obtain sub-indexes of economic significance. The movement of durable goods normally varies from that of non-durables. There tends to be greater fluctuation in durables from prosperity to depression, the demand for non-durables being more constant. The manufacturing division was therefore divided, at the major group level, as between durable manufactures and non-durable manufactures. Although these groupings are rather rough and ready, they are of great use in economicanalysis. The classification into producers' and consumers' goods, attempted in some countries, involves more difficulty as many intermediate commodities have alternate uses, and was not attempted here.

Volume of Production, 1923-35. — The indexes of volume of production, 1923-1935 given in Table 12 below were constructed in the General Manufactures Section of the Industry and Merchandising Division for the years 1923 to 1946. On comparing the index for 1935 given in Table 12 which stood at 87.9 with the new index for 1935 at 86.6 on the 1935-39 base, it would appear that for the back years little significant

variation existed between the two series. The indexes in Table 12 may therefore be used in evaluating the changes in the volume of manufacturing production between 1923 and 1935.

The physical volume of manufacturing production increased 50 p.c. from 1923 to 1929. When it is recalled that the population of Canada is estimated to have increased only 11 p.c. during the same period, the growth of manufacturing production is indeed remarkable. Of this advance, the part resulting from an increase

in the domestic demand due to growth of population would therefor be about 11 p.c. The increase in exports was about 3.6 p.c. of the 1923 production. The remainder of the increase in production by 1929, or a margin equal to roughly 35 p.c. of the volume of manufactures of 1923, was, therefore, apparently absorbed by increases in capital equipment and by the rise in the standard of living of the population of Canada. From a high of 101.4 in 1929 the volume of production declined to 67.6 in 1932 and climbed again to 87.9 in 1935.

TABLE 12. Indexes of the Volume of Manufacturing Production, according to the Component Material Classification, 1923-35

(1935 - 39 = 100)

Year	Vegetable	Animal	Textiles	Wood and paper	Iron	Non- ferrous metal	Non- metallic mineral	Chemicals	Miscel- laneous	All industries
1923	62.6	75.0	64.3	65.1	81.5	42.7	81.8	59.2	99.5	67.5
1924	67.8	80.4	62.1	64.0	68.6	46.4	78.9	60.5	95.0	66.3
	75.1	84.8	66.5	69.0	79.9	52.5	80.3	64.8	94.5	72.5
1925	80.2	92.2	75.8	78.1	102.6	58.6	89.6	70,5	104.4	82.5
1926	84.9	90.0	81.4	84.1	104.1	67.6	102.3	75.2	114.2	87.9
1927			87.0	92.5	117.1	75.3	116.3	82.7	110.5	95.8
1928	93.5	92.9					137.1	84.8	105.6	101.4
1929	96.4	87.9	86.1	99.6	133.4	81.3				91.9
1930	91.6	85.3	80.0	92.1	108.6	76.8	122.9	74.9	87.8	
1931	83.4	77.4	78.2	76.6	82.8	73.1	105.6	69.2	80.0	79.9
1932	74.1	76.7	74.6	68.0	53.5	58.9	75.1	66.0	75.8	67.6
	72.8	79.6	81.1	69,6	50.2	57.6	68.8	69.9	71.9	67.7
1933	İ		89.5	81.5	67.6	70.8	82.5	79.3	85.2	79.6
1934	82.4	86.5					88.1	87.2	91.1	87.9
1935	87.0	91.3	94.5	89.5	83.4	81.2	88.1	01.2	01.1	

Volume of Production, 1935-60. — The period covered by this report was characterized by unprecedented industrial expansion. Emerging from a depression practically world-wide in scope, industrial operations in this country entered a period of rapid growth which was maintained throughout the war and post-war years without important interruption.

The problem confronting business economists was to determine how much of the post-war industrial "drive" was due to normal growth factors and how much of it was caused by the backlog of war accumulated demand. While it is true that the greatest demand accumulation took place in housing and consumer durables, non-durables such as textiles and clothing also started the post-war period with a sizeable backlog of unfilled demand. It is now becoming apparent, after the vigorous pace of business following the outbreak of hostilities in Korea, that a considerable portion of this demand has been satisfied and some industries, notably textiles, clothing, agricultural implements and some major appliances, are experiencing difficulties. However, overall prospects appear bright for the near future. The high level of capital investment during the past few years which increased productive capacity, is beginning to be reflected in current production statistics. Huge expansion and development programmes are still under way in iron ore, aluminum and other metals, oil, chemicals, electric power, and in a number of other industries. In addition, federal government expenditures for national defence should still exert some influence on the economic picture.

The volume of output of manufactures rose steeply after the outbreak of hostilities in 1939. Productive facilities responded quickly to the urgent requirements of the amed forces. In the early days of the war, production assignments

allotted were comparatively simple, but as the pre-war weapons became obsolete and as Canada proved herself capable of turning out larger and more complex equipment, the assignments constantly shifted, changed and grew more difficult. The production figures merely suggest the magnitude of the achievement. They cannot describe the tremendous effort needed to convert a semi-agricultural country into a wartime arsenal nor the complications which arose because of shortages of man-power, tools and materials.

The productive peak was reached in 1944, when weapons, supplies and equipment were rolling off the assembly lines at record-breaking pace. The end of hostilities and the subsequent reconversion to peace-time production were attended with declines in output in 1945 and 1946. The upward trend was resumed, however, in 1947. The rate of advance slackened moderately in 1948 and 1949 but regained most of its 1947 impetus in 1950 when the renewal of hostilities in Korea resulted in heavy anticipatory buying on the part of consumers and in growing expenditures for national defence. A remarkable feature is that in 1953 the index of the volume of manufacturing production which stood at 126.4 had surpassed the record wartime level of 106.1 established in 1944. The following year there was a minor recession and the index dropped to 122.9. With the upturn in economic activity during 1955 and 1956 the index rose again to an all-time high of 145.1, exceeding the previous high of 1953 by 14.8 p.c. The downtum in manufac-turing activity which began in the fall of 1957 continued throughout 1958. As a result the index dropped to 139.1 for 1958, a drop of 4.1 p.c. from the high attained in 1956. The recovery in production during 1959 and 1960 resulted in the index rising to an all-time high of 149.8 in 1959, with a slight drop to 149.3 in 1960.

TABLE 13. Indexes of the Total Volume of Manufacturing Production, classified on the Basis of Durable and Non-Durable Goods, 1935–60

	a =		

Year	All manufactures	Non-durable manufactures	Durable manufactures	Year	All manufactures	Non-durable manufactures	Durable manufactures
1935	39.0	44.1	32.7	1948	97.3	96.3	98.4
1936	43.0	48.1	36.9	1949	100.0	100.0	100.0
1937	49.2	52.8	44.9	1950	106.2	106.0	106.5
1938	45.3	49.0	40.9	1951	115.0	110.8	119.9
1939	48.7	53.7	42.7	1952	118.5	113. 2	124.8
1940	60.4	61.6	59.3	1953	126.4	120. 2	133.6
1941	78.7	73.7	85.8	1954	122.9	121. 2	124.8
1942	96.1	84.3	112.1	1955	134.7	130.4	139.7
1943	104.0	85.9	128. 2	1956	145.1	138.1	153.3
1944	106.1	89.5	128.3	1957	142.9	139.7	146.7
1945	92.9	88.2	99.8	1958	139.1	139.5	138.6
1946	85.2	89.8	79.9	1959	149.8	150.1	149.5
1947	93.2	93.2	93. 3	1960	149.3	151.8	146. 4

Non-durable Manufactures

The trend of output in the non-durable sector of manufacturing was visibly more stable than in the durable sector. Except for two years, 1938 and 1945, there has been no interruption in the upward movement of production during the period under review. Despite the fact that war contracts quickened the pace of output in some of the industries, production continued to expand after the war, although at a slower rate. Unlike durable goods, non-durable commodities are mostly consumers' goods and are less influenced by sudden changes in the international situation or the capital investment programmes of producers and governments. By 1957 the non-durable index had reached 139.7, the highest on record. In 1958 it declined fractionally to 139.5 and rose again to the all-time high of 151.8 in 1960.

The production of Processed Foods and Beverages rose practically without pause throughout the period. A characteristic of most industries processing foods is the high ratio of the value of materials consumed to the value of products, indicating a relatively low degree of fabrication per unit of output. The volume of processed foods manufactured increased by 47 p.c. since 1949 as compared with an increase of 32 p.c. in population. The per capita increase in the use of processed foods is due mainly to the high level of economic activity with the resultant increase in personal income during the period. All industries in the food group, with the exception of flour mills, reported increased volume since 1949, ranging from a high of 87.1 p.c. for fruit and vegetable preparations to a low of 15.0 p.c. for confectionery. The decline of 4.0 p.c. in the output of the flour milling industry is due to a decline in export shipments and not to a drop in domestic consumption. In all probability the consumption domestically of flour and other products of the industry increased as well.

The advance in the production of **Beverages** was also practically uninterrupted from 1949 to the present. The increase in the volume was 60.2 p.c. which was 10.0 p.c. higher than the increase in the volume of processed foods. The greatest increase in the beverage group was reported by distilleries with a 95 p.c. increase in volume. This does not represent the increase in the domestic consumption of alcoholic beverages since this industry, too, exports a substantial part of its production, exports of whisky rising from 4,149,473 proof gallons in 1949 to 8,951,127 proof gallons in 1960. The brewing and carbonated beverages industries also reported substantial increases in volume since 1949, the increase being 46.4 and 58.7 p.c. respectively. In the case of these products the increases represent increased consumption in Canada, as the export trade is insignificant. Wine production, after reaching a peak in 1950, dropped about 14 p.c. in the following three

years. There was a recovery in 1954 which continued in varying degrees until the present, with the result that the volume advanced about 46 p.c. between 1949 and 1960.

The great demand for cigarettes for members of the armed forces during the war contributed largely to the considerable increase in the **Tobacco Products** index which reached the record level of 103.2 in 1945. The index dropped to 90.6 the following year, but rose gradually thereafter to 103.4 in 1950. Weakening demand led to a decline of 8 per cent in 1951. Rapid recovery was made during the next nine years with the index rising to 182.0 in 1960, highest on record.

The contribution of the **Rubber Products** industry to the war effort was mainly in the form of tires and tubes for military vehicles and aircraft. Production of passenger car tires and tubes was sharply curtailed as was the output of rubber footwear. After a marked increase in 1941, the index remained more or less stationary at around 85 until 1945 when civilian production was resumed and the index jumped to 102.1. The industry-wide strike in 1946 contributed to a decline in that year, but record-breaking demand for the industry's output led to sharp advances in the following years, the index reaching a high of 154.0 in 1956. Volume output declined during 1957 and 1958 with the index dropping to 137.2. There was marked recovery in 1959 and the index rose to 161.1, a new high which exceeded the previous high in 1956 by 4.6 p.c. There was another sharp decline in 1960, with the index dropping to 143.3.

Output of Leather Products rose steadily until 1946 when the index reached a high point of 124.0. The subsequent easing of foreign demand for the industry's products contributed to the gradual decline of production in the post-war period with the result that this group shows the second smallest growth of any in the manufacturing sector. In 1960, volume of output was only 11.8 per cent greater than in the base period. Production of leather tanneries in 1954 was actually 6.0 p.c. lower than in 1949, while the output of boots and shoes was only 4 per cent higher. Some recovery was made between 1955 and 1957, the output of tanneries increasing 9 p.c. and footwear 23 p.c. over the base period. Since 1946 which was the all-time high the overall index of this group dropped 10 p.c. in 1960.

The **Textile** industries reached their maximum wartime level of output in 1942 when the index stood at 102.0. Production then fell off gradually until 1946 but recovered sharply in the post-war period to an index level of 113.1 in 1951. A slackening of demand for textiles during the next few years saw the index drop to 94.3 in 1954. Of all the industries of the non-durable goods sector, textiles were the hardest hit by the

downturn in manufacturing activity in 1954. There was substantial recovery between 1955 and 1957, with the index rising to an all-time high of 117.6. There was another decline in volume in 1958 to 109.5 and as a result of this the textile group in 1958 reported the smallest increase in physical output of any group in both the durable and non-durable classifications. There was a considerable improvement in volume in 1959, the index rising to an all-time high of 124.4. In 1960 the index dropped slightly to 122.5. Due to the improvement in 1959 and 1960 the textile group was displaced by clothing and leather products as having the smallest volume increase since 1949.

The movement of inaccidual industries within the textile group varied over the period under review. The greatest advance in volume of production since 1949 was achieved by the synthetic textiles industry, the index in 1960 standing at 187.6. The production of both cotton and woollen goods in 1960 was much lower than in 1949. Cotton goods, after experiencing varied fluctuations in production ended 1960 with the index standing at 89.6. In the case of woollen goods the decline since 1949 was more severe, the index in 1960 dropping to 78.5.

The trend of production since 1935 was similar for both the cotton and woollen goods industries. Before the war both groups expanded moderately and in both cases a major recession occurred in 1938. With the outbreak of war in 1939 there was a marked increase in production, with record highs being reached in 1942 when the respective indexes were 128,2 and 111.3. There was thus an increase of 63 p.c. in the output of cotton goods and 71 p.c. in woollen goods between 1939 and 1942. With the end of the war the production of both cotton and woollen goods declined sharply to a post-war low in 1954 when the index for cotton goods dropped to 86.7 and for woollen goods to 72.0. Some recovery took place during 1955, 1956 and 1957, the index rising to 100 in the case of cotton goods and 86,9 for woollen goods. Production during the following three years declined again, with the result that the 1960 index for cotton goods dropped to 89.6 and for woollen goods to 78.5.

Since 1938 the production index for Synthetic Textiles showed an unbroken record of increases and in 1951 stood at 134.0. The adverse conditions prevailing in the textile industry generally during the following few years also affected the output of synthetic textiles so that by 1954 the index stood at 108.7. There was a marked recovery the following year which continued throughout 1956 and 1957. By the end of 1957 the index which reached 156.6 was the highest on record. There was a moderate decline in 1958 and a sharp rise in 1959 and 1960 which raised the index to an all-time high of 187.6. Much of the credit of increasing consumer acceptance of synthetics belongs to the achievements of research in improving manufacturing and dyeing techniques and in the development of new combinations of various fibres with a new range of qualities and practical applications.

Synthetic fibres are now being used in the fabrication of a host of commodities such as suitings, overcoatings, blankets, carpets, draperies, upholstery products, tire fabrics, etc., in addition to hosiery, dress fabrics and other women's wear. Moreover, Canadian producers are now supplying the bulk of domestic synthetic raw material requirements which were formerly imported from the United States. As a result, new investment outlays by the industry have increased considerably in the post-war period.

The trend in the physical output of clothing was similar to that of other textiles, the production index reaching a peak of 100.9 in 1942, then declining gradually until 1945. Since then output fluctuated within narrow limits. For the clothing group as a whole there was an increase of 7.9 p.c. in volume of production since 1949. This is the smallest increase reported by any group in both the durable and non-durable classifications. The leather and textile groups, as mentioned previously, were the only other groups to report such moderate increases in volume. For leather the increase was 11.8 p.c. and for textiles 22.5 p.c. The trend of production varied from industry to industry in the clothing group. The output of knitted goods since 1949 was 3.1 p.c. higher, Men's, women's and children's clothing gained 9.1 p.c. while miscellaneous clothing

which includes corsets, fur goods, hats and caps, etc. advanced 15.2 p.c. These increases are significant when compared with the 32 p.c. increase in population during the same period. The industry is now facing keen competition and a more selective retail demand, By improving manufacturing methods and styling, the industry hopes to make available more desirable merchandise at lower prices. Weak demand contributed to a market decline in the level of new investment in durable physical assets.

Production by the industries of the Paper Products group expanded almost uninterruptedly during the period under review. The post-war period saw a sharp advance in output, the index rising to 81.0 in 1946 from an annual average of about 55 during the previous decade. From then on there was, with but two exceptions, a continuous expansion to 148,4 in 1960. Activity in this sector of manufacturing is influenced mainly by the "Pulp and Paper" industry, which, in terms of value added, is the most important single manufacturing industry. In the last few years, the net value contributed by pulp and paper mills was almost twice that of any other industry. The growth of this industry during the period under review was characterized by two distinct phases. From 1935 to the end of the war, new investment by the industry was designed mainly to replace worn-out machinery and equipment and increases in output were principally the result of utilizing idle capacity after the depression of the thirties. Since 1945, however, with strong world demand for wood pulp and newsprint, together with the availability of necessary materials for expansion, the construction of new plant and the installation of new machinery and equipment reached record proportions. Investment in new plant and equipment, which averaged \$105 million during the previous three years dropped to \$69 million in 1954, a decrease of \$36 million from the record high reported in 1952. Capital investment which reached the unprecedented total of \$240 million in 1956 and \$234 million in 1957 dropped to \$141 million in 1960.

Newsprint, pulp and paper board are the leading products of the pulp and paper industry. Production of newsprint in 1960 totalled 6,383,500 tons of which 6,190,286 tons were exported. Canada is thus the leading exporter of newsprint in the world. World exports of newsprint in 1954 are estimated at 6,788,000 tons, with Canada accounting for 81.3 p.c. of the total. Finland, Sweden and Norway, in the order named, are other substantial exporters of newsprint and between them have accounted for 10.5 p.c. of the total. Newsprint is also Canada's leading export and 1960 was valued at \$757,930,406.

The **Printing and Publishing** industries expanded very little during the war years. Production grew rapidly after the end of hostilities and in 1960, volume of output was 46,5 p.c. greater than in 1949, although this represents a smaller advance than total manufacturing. The post-war increase coincided with the gain in the value of new investment which was mainly in the form of machinery and equipment to make up for deficiencies dating back to the depressed thirties and the war years. Investment in fixed assets totalled \$16 million in 1953 and \$32 million per annum in 1954 to 1960 as compared with only about \$2 million in 1944.

With few interruptions, output of Petroleum and Coal products rose steadily over the period under review to an index of 250.6 in 1960. The petroleum refining industry which contributes 93 p.c. of the total for the group experienced a recordbreaking post-war demand for gasoline and fuel oil so that by 1960 the production index stood at 269.8, compared with the wartime high of 69.0 in 1944. The other major industry of the group, viz., coke and gas products also reported increased output but not to the same extent as petroleum refining. In recent years the petroleum refining industry has added substantially to its refining capacity. From 1950 to 1953 expenditure for new plant, machinery and equipment which averaged about \$50 million per annum rose to about \$90 million per annum for the period 1954-59. In 1960 capital expenditures totalled only \$60 million. Some of this rapid growth is associated with the remarkable progress made in the exploitation of western crude oil reserves. In 1960 oil from domestic wells represented 55 p.c. of the total consumed by Canadian refineries. This compares with a contribution of 22 p.c. in 1949.

TABLE 14. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Non-Durable Manufactures Classification, 1935-60

(1949 = 100)

	,				(1	949 = 100)						
		7				Non-durab	le manufac	ctures				
Year	Foods	Bever- ages	Tobacco and tobacco products	Rubber products	Leather products	Textile products (except clothing)	Clothing (textile and fur)	Paper products	Printing publishing and allied trades	Products of petroleum and coal	Chemicals and allied products	Miscel- laneous industries
1935	51:2	27. 1	31.1	49.8	70.8	49.7	57-2	38.6	50.2	37.8	31.4	31.4
1936	56.6	32. 1	35.7	54.5	71.1	55.5	60.5	42.4	53.2	40.8	33. 7	34.3
1937	58.7	37.8	41.4	63.6	78.1	59.8	65.3	48.9	56.5	44.9	39. 3	37. 1
1938	59.0	37.1	45-9	55.0	68.9	48. 1	61.3	39.3	52.9	44.4	37.9	36.9
1939	63.0	38.7	49.2	60.4	80.3	59.5	67.3	45-2	54.7	48. 1	40.7	38.6
1940	68.5	45.5	53.1	66.0	85.7	81-8	78. 2	54.3	54.6	53.6	49.8	426
1941	79.5	52.9	61.3	87.5	104.2	91.7	88.4	61.6	60.6	61.1	77.2	60.8
1942	83.4	60.8	76.0	85.3	110.8	102.0	100.9	61.5	61.2	59.4	126.5	88.5
1943	89.9	56.6	82.3	83.3	111.6	93.8	97.7	60.0	59.7	65.1	135.1	112.1
1944	97.9	66.7	89.6	84.4	110.5	87.9	91.7	63.9	61.4	73.6	142, 8	113. 0
1945	00.7	71.0	100.0									
1946	98.7	71.8	103.2	102.1	114.5	87.5	91.4	69.1	67.3	71.9	107. 1	98.3
1947	103.0	82.2	90.6	89.5	124.0	88. 7	95.3	81.0	76.9	74.3	78.0	80.2
	100.4	87.3	93.4	127. 4	109.1	94.0	92. 2	89. 1	83. 6	79.8	90.8	84.1
1948	99.5	95.3	93. 4	116.4	95.5	97. 3	97.6	94.9	92.6	89.9	95.7	81.4
1949	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1950	104.4	102.1	103. 4	116.8	95.6	112.5	101.3	109.3	101.5	111.9	107. 7	104.8
1951	107.0	106.2	95.0	124.9	90.4	113. 1	101. 2	117.5	105. 1	1 28. 5	120.0	119.0
1952	112.8	115.5	108.0	118.9	101.0	102.9	111.4	113.4	107.5	140. 1	122.3	121.8
1953	115.1	124.6	120.3	130.3	106.4	107.9	115.0	118.1	114.7	153.5	139. 9	141.1
1954	120.2	121.7	124.7	119. 2	100. 2	94. 3	108.9	124.1	121.6	165.0	152.1	134. 3
1955	125.6	130.6	135.5	141.0	106.9	114.0	112.8	131.0	127. 1	188. 3	165.5	136.4
1956	131.4	138.4	145.9	154.0	115.6	117. 3	117.6	137.8	137. 3	216.1	174.8	147.0
1957	133. 2	143. 2	161.0	147.8	115.6	117.6	116-8	135.5	138. 2	223. 5	183. 4	153. 3
1958	139.0	144.7	173.2	137. 2	114.4	109.5	114.4	138. 4	134.4	216.8	186.5	160.0
1959	145.0	155.8	179.9	161.1	120.3	124.4	113.1	144.7	143. 2	241.5	208.4	183. 2
1960	147.1	160. 2	182. 0	143. 3	111.8	122.5	107.9	148.4	146.5	250.6	219.7	191.6
				- 1								

Output of Chemical Products which include ammunition and explosives reached a record-high level in 1944 when the index stood at 143. Production in the post-war period has been at a considerably lower level, but increased significantly since 1950, with the advent of the defence programme. The index in 1960 stood at 219.7. The expansion of the industry during the war made possible the manufacture of many products which were formerly imported. In addition, several entirely new products, such as synthetic rubber, were introduced. Demand for these commodities continued in the post-war period and the development of new sources of basic materials, together with the progress of research into additional commercial uses for these new compounds resulted in further expansion of production for civilian use.

The rapid wartime advance was mainly the result of the enlargement of the munition programme with the government and private industry combining forces in the construction of a

huge explosives and ammunition-filling industry. At its peak in 1943, the production index for **Explosives and Ammunition** was 20 times higher than in the five year period preceding the war. With the end of the war output dropped very rapidly, the products made being mainly for peace-time use, such as explosives for the mining and construction industries.

Since the Government-owned Polymer Corporation began producing Synthetic Rubber in 1943, output of this important commodity has expanded considerably, to a total of 168,000 tons in 1960. Production declined somewhat in 1947 and 1948 when imports of natural rubber were resumed, but recovered strongly to record levels since 1950, as the defence programme gathered momentum and as the rubber requirements of the motor vehicles industry rose to a new maximum. During 1960, synthetic rubber accounted for 52 per cent of total new rubber consumed in Canada. This commodity is classified to the Miscellaneous Chemicals industry.

Durable Manufactures

The tremendous increase in physical output during the war years was mostly concentrated in the durable goods sector. When war was declared in September, 1939, there were virtually no armament works, no production of large ships and large planes, no guns, no tanks. Within a few years Canadian plants were turning out naval and merchant ships, warplanes ranging up to the 15-ton Lancaster bomber, military vehicles, millions of rounds of ammunition and hundreds of other war items. By 1944 the volume index of durable manufactures reached a peak of 128.3, During the following two years it declined sharply and stood at 79.9 in 1946. Since then it has regained the lost ground, reaching an all-time high of 153.3 in 1956, 19.5 p.c. above the war-time peak of 128.3. During the next four years the index fluctuated widely and reached 146.4 in 1960, some 4.5 p.c. below the all-time high of 1956.

The largest gain during the war years occurred in the output of **Transportation Equipment.** Due principally to the tremendous increases in production of ships and aircraft, the index for this group of industries rose to the record level of 236 in 1944, the year of maximum war production. After reaching a post-war low of 81 in 1946, the index rose moderately during the next three years, but, spurred by the great demand for passenger cars and by the renewal of defence production, marked gains were made since 1950, with the index climbing to 165 in 1953. The minor recession in industrial production in 1954 affected this group more than any other. The index dropped to 137, a decline of 16.9 p.c. as compared with the previous year. The recovery in production during the next two years brought the index up to 157.9 in 1956. The minor recession which commenced in the latter part of 1957 continued throughout the following three years, with the index dropping to 130.0 in 1960.

The Iron and Steel group of industries was also considerably affected by war requirements. As most of the industries in this sector were more firmly established in the pre-war period, they did not expand relatively to the same extent as shipbuilding and aircraft. Production for the group as a whole reached a maximum of 132 in 1943 and with the end of the war dropped to an average of 88. Recovery which commenced in 1947 continued with but few interruptions to an all-time high of 145 in 1956. The general downward trend in manufacturing production which began in the fall of 1957 pulled the index for the iron and steel group down to 140 in 1957 and 126 in 1958. The sharp recovery in 1959 brought the index up to a new all-time high of 147.2 which declined to 137.3 in 1960. When European supplies were cut off early in the war, the Canadian basic steel industry had to rely on the United States for a greater supply and had to increase its own steel-making capacity to meet abnormal wartime requirements. However, development of the industry did not halt with end of hostilities. Canada's industrialization programme, together with strong post-war demand for consumers' durable goods, led to steady expansion of the industry so that by 1951, the index for the primary iron and steel industry stood at 129. Due to the contraction in the demand for durable goods in 1954 the index for the group dropped sharply to 95, down to about the 1947 level. Rapid recovery was made during the following two years, with the index rising to 158 in 1956, the highest on record. The demand for basic iron and steel products which eased during 1957 and 1958 jumped again to an all-time high of 167.7 in 1959 with a moderate decline to 162.1 in 1960. The output of pig iron and steel ingots and castings expanded considerably since 1939 when the production of pig iron totalled 755,731 tons and steel ingots and castings 1,551,054 tons. The year 1960 saw a record output of 4,279,205 tons of pig iron and a near-record of 5,686,416 tons of steel ingots and castings. The additional capacity constructed during the past few years should reduce still further the country's dependence on United States imports of finished and semi-finished iron and steel shapes. Indicative of the rapid growth of the iron and steel group of industries in recent years is the amount of funds expended for new plant, machinery and equipment. From an average annual expenditure of \$62 million during the previous five years new investment jumped to \$150 million per annum during the following five years, 1954 to 1958. In 1959 capital expenditures totalled \$166 million and in 1960 reached the unprecedented figure of \$194 million.

To meet the need for electrical and radar equipment and signalling devices, the Electrical Apparatus and Supplies industry manufactured articles during the war which were previously not made in Canada. Output of civilian radio receiving sets and appliances was severely curtailed as the industry converted the major part of its productive capacity to the manufacture of war instruments. The production index reached a wartime peak of 86 in 1944 and declined during the next two years. The industry recovered rapidly, however, as a result of accumulated demand for radios, consumers' appliances and heavy electrical equipment, and by 1952 the index had jumped 84 per cent from its 1946 post-war low, to a level of 125. Due mainly to the heavy demand for television sets, the index in 1953 advanced sharply to 151, an increase of 21 per cent over the previous year. The advance continued throughout the next three years and the index rose to an all-time high of 191 in 1956. Following the general trend of moderate declines in the output of durable goods, the index slipped to 175.5 in 1958, with a slight rise to 180.2 in 1960.

Production in the Non-ferrous Metals group of industries reached a wartime maximum in 1943 when the net index stood at 146. During the next three years, output dropped 44 per cent, but recovered steadily thereafter, backed by sustained demand for base metals. In 1958 the index stood at 126, a decrease of 13.7 p.c. from the war-time high of 146. There was considerable improvement during the following two years and the index rose to an all-time high of 148.3 in 1960, 2.7 points above the war-time high attained in 1943. Aluminum which is an important component of the group is being fabricated into an ever-increasing variety of commodities, and production of aluminum bars and rods, sheets, shapes, etc., reached record proportions in the post-war period. During the war years, aluminum sheet production was of a strong alloy type used principally in aircraft construction and required more fabricating than the regular type of sheet used in the production of cooking utensils and other civilian items.

Military requirement did not affect the nature of output in the Non-metallic Mineral products group of industries. In war or peace, the bulk of production consists of construction materials such as cement, cement products, building brick, lime and gypsum products, glass, stone products, etc. During the war, under government control, a major proportion of these industries' products were channelled into construction of new war production plants, extensions to pre-war plants, housing for war workers and the building of training and operation facilities for the armed services. No serious reconversion problems were encountered by the non-metal industries immediately following the war. After a slight pause, following the peak of wartime output, plants turned their productive capacity towards meeting the unprecedented demands of the post-war construction boom. From a wartime maximum of 69 in 1943, the volume index dropped moderately in 1944 and 1945, but rose steeply in succeeding years to reach the record level of 223 in 1959.

In the durables sector, the **Wood-using** industries were the least affected by the war. The volume of output of wood products expanded steadily without serious interruption throughout the war and post-war years. In 1953 the index stood at 125, the highest on record. In 1954 the index declined fractionally to 124, but advanced sharply the following two years to an all-time high of 138 in 1956. In 1957, due to the continued decline in exports, the index dropped to 127, about the 1953 level. With the improvement in export demand the index rose again to 136.6 in 1959 and 136.0 in 1960. The two most important industries are "sawmills" and "furniture". The index representing the former, after reaching a war-time maximum of 90 in 1942, declined considerably in 1943, and hovered around 79 during the next two years. Beginning with 1946 output rose sharply, spurred by strong foreign demand for sawn lumber, and by 1955 the index had advanced to 134, the all-time high. Exports of planks and boards, shingles, veneer and plywood were considerably lower in 1956 and 1957. This is reflected in the moderate decline of the index to 131 in 1956 and a sharper decline to 115 in 1957. With the increase in export shipments during the following few years, the index rose again to 133 in 1960. Production in the furniture industry expanded throughout the period under review. The great increase in residential construction in the post-war period,

together with the marked gain in new family formations created a boom for producers of house furnishings. Output of furniture jumped sharply in the three years immediately following the

end of the war and rose more gradually during the subsequent years, reaching an all-time high of 146 in 1959. In 1960 the index slipped to 141.

TABLE 15. Indexes of the Volume of Manufacturing Production of the Groups Comprised within the Durable Manufactures Classification, 1935-60

(1949 = 100)

	1					
			Durable m	anufactures		
Year	Wood products	Iron and steel products	Trans- portation equipment	Non-ferrous metal products	Electrical apparatus and supplies	Non-metallic mineral products
1935	42.3	29. 2	34. 2	40.1		
1936	47.5			40.1	22.9	24.6
1937		33.8	35. 5	46.7	25.0	29.8
	53.6	42.9	43.4	54. 4	32. 5	38.2
1938	50.7	36.6	38, 1	55.8	28.0	34.3
1939	54.0	39.1	37.7	58.4	28.4	35.7
1940	65. 5	58.9	61.1	70.5	41.9	45.0
1941	74. 5	86. 4	106.1	98.9	61.8	60. 1
1942	77.4	114.7	157.1	130.4	74.9	68.2
1943	73.6	131.6	198.4	145.6	85.0	68.8
1944	76.1	118.4	235.7	130.9	85. 5	66.8
1945	77.2	96.3	157.0	98.8	70.7	63.7
1946	86.8	80.8	80.6	81.8	67.7	72.0
1947	98.2	93.6	95.3	89.6	89.6	86.3
1948	100.6	101.5	97.2	99. 2	91.5	92. 2
1949	100.0	100.0	100.0	100.0	100.0	100.0
1950	108.2	102.5	108.3	104.0	112.5	111.0
1951	114.8	117.0	131.3	114.1	120.7	119.8
1952	115.8	118.9	149.1	112.2	124.5	122.8
1953	125.4	115.3	165. 2	120.1	150.9	139, 2
1954	124.2	106, 2	137.3	117.0	151.7	146.1
1955	136.4	123.8	145.1	127. 5	176. 2	171.1
1956	138.3	145.3	157.9	133.0	191.3	191. 5
1957	127.3	139.6	151. 2	127.6	183.6	191.3
1958	131.1	126. 4	130.8	125.8	175. 5	205. 9
1959	136.6	147. 2	131. 5	134.7	184.8	223. 2
1960	136.0	137.3	130.0	148.3	180. 2	
1900	130.0	131.3	130.0	140.3	180. 2	210.9

SECTION 3. PRODUCTION BY INDUSTRIAL GROUPS AND INDIVIDUAL INDUSTRIES

Subsection 1. Manufactures Grouped on the Standard Classisication Basis

In interpreting the statistics of individual industries, it should be remembered that the figures on employment, production, etc., do not refer to individual products but to all the products made in an industry. For example, the value of production of the confectionery industry, amounting to \$140,707,096 in 1958, does not imply that this was the value of confectionery produced. What it means is that the firms whose principal product is confectionery had a value of production of \$140,707,096. This figure, in addition to confectionery, includes all the subsidiary products made by these firms, such as ice cream, macaroni, peanut butter, syrups,

bakery products, etc. which amounted to \$46,344,264 in 1958. Confectionery is also produced as a subsidiary product by firms credited to other industrial classifications. For total production figures of individual products, reference should be made to ''The Alphabetical List of Products'' published annually as Appendix II to this report.

Table 16 presents for the year 1960 detailed statistics regarding the individual industries under which all industrial plants in Canada are classified. The industries are further assembled under twenty main groups according to the Revised Standard Industrial Classification.

TABLE 16. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1960

_	of the	Manuiac	turing Ind	usules, 1	.300			
	Province and group	Estab- lish-	A	dministrativ	ye and Dyees ¹	P	roduction w	vorkers
37-		ments	Male	Female	Salaries	Male	Female	Wages
No.			number		\$	num	ber	\$
	Province							
1	Newfoundland	635	1,311	317	7,560,780	6,955	906	25,142,408
2	Prince Edward Island	184	350	97	1,336,867	951	408	2,918,050
3	Nova Scotia	1,278	3,964	1,171	20,330,107	19,827	3,644	71,950,018
4	New Brunswick	901	2,876	926	15,445,411	15,404	3,061	56,140,966
5	Quebec	11,961	72,225	26,595	507,397,857	244,260	90,869	1,112,916,617
6	Ontario	13,387	110,174	45,052	834,859,967	358,529	89,712	1,750,816,585
7	Manitoba	1,592	7,052	2,683	43,961,306	24,723	7,881	110,302,505
8	Saskatchewan	887	2,554	936	15,120,609	8,200	1,228	34,643,657
9	Alberta	1,848	7,282	2,437	45,966,406	25,172	4,266	110,373,122
10	British Columbia	3,995	16,393	5,218	114,840,959	70,176	8,720	324,527,692
11	Yukon and Northwest Territories	14	25	6	147,558	79	14	467,945
12	Canada	36,682	224, 206	85,438	1,606,967,827	774, 276	210,709	3, 600, 199, 566
	Industrial group							
				40.000		110 005	00 010	510 144 005
13	Food and beverage industries	8,488	29,165	12,033	190,839,719 8,940,381	118,395	39,018	510,144,095
14 15	Tobacco products industries	92	3,665	1,519	26,742,622	11,981	3,146	57,782,897
16	Leather industries	608	2,639	1,319	18,978,401	14,208	12,224	64,940,554
17	Textile industries	924	8,675	3,894	62,808,512	32,518	16,669	143,691,708
18	Knitting mills	362	1,462	1,211	12,558,635	5,395	12,697	41,492,291
19	Clothing industries	2,391	6,859	4,547	56,618,864	19,479	55,990	170,595,017
20	Wood industries	7,490	12,750	2,094	57,883,196	67,643	2,775	225,638,221
21	Furniture and fixture industries	2,099	4,942	1,670	29,273,748	24,692	2,902	83,386,639
22	Paper and allied industries	581	14,202	5,072	119.584.888	67,792	8,367	339,039,377
23	Printing, publishing, and allied industries	3,462	18,095	11,395	136,815,795	35,315	8,889	185,972,226
24	Primary metal industries	418	14,217	3,490	106,133,754	71,616	702	348,448,782
25	Metal fabricating (except machinery and trans-	410	17,211	3,430	100,133,134	11,010	102	040,140,102
	portation equipment industries)	2,896	19,186	6,458	134,146,395	67,574	5,287	294,591,986
26	Machinery industries (except electrical machinery)	533	10,580	3,466	75,094,701	28,263	1,186	124,332,981
27	Transportation equipment industries	687	21,602	5,478	156,782,089	79,451	2,886	361,570,697
28	Electrical products industries	548	20,102	6,816	148,452,128	37,033	14,697	200,136,099
29	Non-metallic mineral products industries	1,331	7,027	1,964	44,914,569	30,607	2,008	128,523,531
30	Petroleum and coal products industries	96	4,970	1,485	41,416,555	8,004	54	44,030,356
31	Chemical and chemical products industries	1,143	14,224	6,905	115,006,108	27,783	5,357	138,225,011
32	Miscellaneous manufacturing industries ³	2,492	8,804	4,056	63,976,767	22,824	11,399	108,242,996

See footnotes at end of table.

TABLE 16. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1960

			aring industries, 1960	J		
Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ²	Selling value of factory shipments	No
number			dollars		1.	No.
9,489	32,703,188	6,805,506	58,903,797	64,650,269	129,284,578	1
1,806	4,254,917	480,002	21,220,060	8,690,360	30,231,361	2
28,606	92,280,125	12,381,462	220,292,841	174,808,237	406,182,088	3
22,267	71,586,377	15,257,480	209,113,069	158,035,175	377,110,146	4
433,949	1,620,314,474	179,369,792	3,881,172,827	3,172,769,694	7,206,096,003	5
603,467	2,585,676,553	252,266,844	6,126,027,277	5,319,683,901	11,685,675,652	6
42,339	154,263,811	14,260,645	419,583,431	306,434,692	738,457,346	7
12,918	49,764,266	9,718,523	215,404,848	119,776,935	344,773,261	8
39,157	156,339,528	18,658,238	524,908,916	353,197,544	889,657,800	9
100,507	439,368,651	51,757,577	1,026,998,973	853,836,400	1,936,917,630	10
124	615,503	191,238	1,444,781	1,325,787	3,071,218	11
1, 294, 629	5, 207, 167, 393	561, 147, 307	12, 705, 070, 820	10, 533, 208, 994	23, 747, 457, 083	12
198,611	700,983,814	70,790,818	3,118,200,331	1,704,539,866	4 000 000 000	100
9,731	38,354,483	975,267	216,354,230	117,789,866	4,880,293,652	13
20,311	84,525,519	5,221,839	152,660,298	168,965,070	334,413,635	14
30,424	83,918,955	2,265,993	134,436,607	130, 595, 924	323,053,118 268,114,309	15
61,756	206,500,220	14,942,400	430, 561, 782	368,610,350	810,522,933	16
20,765	54,050,926	1,751,668	104,085,566	93,359,607	198,159,994	18
86,875	227,213,881	3,032,683	402,732,198	369,365,614	770,468,489	19
85,262	283,521,417	18,169,684	598,131,213	454,978,488	1,068,041,527	20
34,206	112,660,387	3,801,205	166,268,761	178,493,573	347,980,824	21
95,433	458,624,265	116,005,298	979,872,639	1,035,904,372	2,128,107,197	22
73,694	322,788,021	6,343,860	274,846,086	586,142,192	865,930,729	23
90,025	454, 582, 536	101,485,762	1,598,265,430	1,047,115,445	2,742,520,031	24
98,505	428,738,381	19,114,165	662,679,077	750,664,816	1,432,904,803	25
43,495	199,427,682	6,771,590	299,071,885	329,763,223	642,458,967	26
109,417	518,352,786	20,299,179	1,096,084,723	871,734,759	2,000,689,246	27
78,648	348,588,227	11,710,667	545,995,616	624,613,582	1,175,966,233	28
41,606	173,438,100	47,702,859	230,750,338	373,070,496	647,461,580	29
14,513	85,446,911	50,071,703	873,633,610	279,705,068		30
54,269	253,231,119	54,893,961	582,843,034	747, 753, 234		31
47,083	172,219,763	5,796,706	237,597,396	300,043,449	538,935,510	

TABLE 16. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1960 - Continued

	Industries	Estab-	Adi	ministrativ fice emplo	e and yees¹	Pr	oduction wo	orkers
io.	muusutes	ments	Male	Female	Salaries	Male	Female	Wages
			number		\$	num	ber	\$
			1			1		
- 1:	1. Food and beverage industries:							
	Meat products industries:							
	Slaughtering and meat processors:					40 000	2 005	85, 408, 056
1	Slaughtering and meat packing plants	210	4, 200	1, 363	29,636,649 546,526	16,388	3,995	1,095,778
1 2 3	Animal oils and fats plants	98	296	88	1,832,312	860	407	3,952,570
4	Poultry processors ³	245	499	205	2,653,446	2, 112	1,948	8,643,980
-2								
	Dairy products industries:							
5	Dairy factories: Butter and cheese plants	961	1,568	753	7,223,040	4,899	338	14, 476, 758
6	Pasteurizing plants Condenseries Ice cream manufacturers	778	2,629	1,500	16,788,286 1,039,697	17, 114 822	588	67, 142, 586 3, 222, 500
6 7	Condenseries	22 45	152 221	113	1,678,380	936	212	3,854,952
8	Process cheese manufacturers	12	201	72	1,860,384	577	299	3, 198, 381
9	Process cheese manufacturers	1						
	Fish products industry:				0.000.001	0.040	2 604	22 852 676
10	Fish products industry	402	1,352	359	6,863,884	8,042	3, 604	22, 853, 676
	Fruit and vegetable canners and preservers:							
11	Fruit and vegetable canners and preservers	361	2, 162	1,088	15, 156, 216	7,023	6,335	33, 370, 153
**								
	Grain mills:	4 400	0.010	553	9.036.992	5, 368	125	16,983,632
12	Feed manufacturers	1,406	2,019		6, 279, 657	2, 713	131	11, 136, 507
13	Flour mills	58	917	412		761	388	4,617,636
14	Breakfast cereal manufacturers	20	189	.114	1,675,280	101	300	4,011,000
- 1	Bakery products industries:							
15	Biscuit manufacturers	50	509	267	3,929,217	2, 243	3,050	14, 149, 827
16	Bakeries	2,631	4, 221	1, 240	20, 165, 577	23,887	7,844	97, 211, 753
10								
	Other food processors:	000	793	650	6,545,221	3,552	4,619	21,659,317
17	Confectionery manufacturers	220		125	3,820,380	2, 262	307	10,017,601
18	Sugar refineries	12	519		1	375	3	1, 538, 129
19	Vegetable oil mills	11	138	39	1,024,260	310		2,000,220
20	Miscellaneous food industries: Macaroni manufacturers	17	70	37	638, 177	425	301	1,837,447
20	Miscellaneous food manufacturers		1,992	1, 261	17,748,648	4,519	3,024	23, 513, 356
	Beverage manufacturers:							
00	Soft drink manufacturers	514	1,992	779	13, 373, 505	4,737	301	15,972,084
22	Distilleries	21	798	372	6,496,078	2, 353	1,059	14, 482, 127
23	Breweries		1, 548	500	13,688,768	5,778	38	28, 416, 248
24	Wineries	19	108	47	1, 139, 139	346	37	1,389,041
25			29, 165	12,033	190, 839, 719	118,395	39,018	510, 144, 095
26	Totals	0, 200	23, 103	12,000	150,000,120	220,000		
	2. Tobacco products industries:							
27	Leaf tobacco processing	16	215	33	1, 481, 878	1,016	607	3,964,426
28	Tobacco products manufacturers	24	825	499	7,458,503	2,687	3,849	25, 449, 676
20	Totals		1,040	532	8,940,381	3,703	4, 456	29, 414, 102
120	100415							
	3. Rubber industries:							
30	Rubber footwear manufacturers	7	419	230	2,536,020	1,998		10, 307, 158
31	Rubber tire and tube manufacturers	9	1,571	591	11,649,661	5,629		26,880,988
32	Other rubber industries	1	1,675	698	12,556,941	4, 354		20, 594, 751
33	Totals	92	3,665	1,519	26,742,622	11,981	3, 146	57, 782, 897
	4. Leather industries:				0 510 000	0.500	050	9, 560, 547
34	Leather tanneries		318	102	2,513,883	2, 563	1	
35	Shoe factories	1	1,653	892	11,600,762	8,902		41,664,250
36	Leather glove factories	. 60	115	55	793, 121	461	811	2,784,440
	Luggage, handbag and small leather goods manufacturers:							045 00
37	Leather belting, manufacturers	. 11	16 145	16 77	144, 248 969, 482	652		245, 694 2, 573, 86
38	Boot and shoe findings manufacturers		392		2,956,905	1, 56		8, 111, 76
				1,353	18,978,401	1	12,224	64, 940, 554

TABLE 16. Establishments, Employees, Earnings, Fuel and Electricity, Manterials, Value Added and Shipments of the Manufacturing Industries, 1960 — Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ²	Selling value of factory shipments
number			dollars		
25, 946 393 1, 651	115,044,705 1,642,304	6,601,111 384,429	845, 487, 570 2, 721, 182	209, 473, 886 3, 224, 255	1,058,439,979 6,347,243
4,764	5, 784, 882 11, 297, 426	487, 126 1, 146, 661	21, 109, 809 99, 437, 265	12, 118, 759 19, 069, 808	33, 417, 934 119, 235, 468
7,558 21,831	21,699,798 83,930,872	5,817,376	251, 919, 770	41,688,281	298, 889, 256
1, 117 1, 482 1, 149	4, 262, 197 5, 533, 332	8, 762, 918 1, 196, 189 754, 682	256, 831, 880 52, 866, 798 17, 702, 126	136, 109, 419 16, 440, 663 11, 679, 252	401,743,284 70,622,839 29,928,936
	5,058,765	208, 520	28, 525, 734	7,666,590	35,957,603
13,357	29,717,560	2,712,951	103, 863, 226	53,004,983	169, 529, 913
16,608	48, 526, 369	3,812,565	191,657,764	122, 374, 398	313, 175, 773
8,065	26,020,624	4, 473, 260	215, 800, 261	63,871,883	284, 574, 959
4, 173	17, 416, 164	1,823,583	174, 270, 710	48,610,433	224,657,381
1, 452	6, 292, 916	512, 360	15, 547, 786	24,660,149	40, 377, 941
6,069	18,079,044	1, 153, 217	41, 846, 105	44, 402, 350	87, 342, 810
37, 192	117, 377, 330	11,025,126	166, 595, 750	188,758,767	366, 131, 412
9,614	28, 204, 538	1, 516, 265	71,990,802	70, 432, 168	142, 963, 856
3, 213 555	13, 837, 981 2, 562, 389	2,836,133 915,993	91, 132, 274 49, 377, 497	43, 988, 147 9, 156, 867	130, 405, 175 59, 242, 353
10,796	2, 475, 624 41, 262, 004	271, 991 4, 291, 064	9, 355, 474 238, 318, 426	8,360,038 141,190,219	17,801,834 382,750,240
7,809	29, 345, 589	4, 174, 917	49, 525, 952	111,740,949	165, 376, 045
4, 582	20,978,205	2, 445, 525	55,836,334	116,748,150	172, 309, 328
7,864	42, 105, 016	3, 289, 028	58,050,386	190, 256, 543	251, 500, 708
538 198, 611	2, 528, 180 700, 983, 814	177, 828 70, 790, 818	8, 429, 450 3, 118, 200, 331	9, 512, 909 1, 704, 539, 866	17, 571, 382 4,880,293,652
1,871	5, 446, 304	322, 419	104, 164, 607	12,038,620	116, 525, 646 ⁵
7,860	32,908,179	652,848	112, 189, 623	105, 751, 246	217,887,989
9,731	38, 354, 483	975, 267	216, 354, 230	117, 789, 866	334, 413, 635
4, 276	12, 843, 178	432,637	13, 403, 560	19,957,502	33, 242, 827
8,073	38,530,649	2, 615, 769	89,685,657	85, 282, 923	175, 188, 613
7,962 20,311	33, 151, 692 84, 525, 519	2, 173, 433 5, 221, 839	49, 571, 081 152, 660, 298	63,724,645 168,965,070	114,621,678 323,053,118
WO, 011	01,000,023	0,881,600	20%, 000, 200	100,000,010	3,03,110
3, 233	12,074,430	1,047,580	29, 424, 923	18,062,188	48,809,537
20,232	53, 265, 012	783, 186	77, 110, 209	82, 157, 511	160, 543, 462
1, 442	3, 577, 561	64, 552	5, 196, 794	5,744,850	10,978,639
105 1,248 4,164	389, 942 3, 543, 343 11, 068, 667	25, 240 136, 032 209, 403	376, 403 6, 767, 649 15, 560, 629	535, 438 5, 647, 007 18, 448, 930	913, 514 12, 477, 760 34, 391, 397
30,424	83,918,955	2,265,993	134, 436, 607	130, 595, 924	268, 114, 309

TABLE 16. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1960 — Continued

	Industries	Estab-		dministrati fice emplo		Pr	Production workers		
0.	muusu tes	ments	Male	Female	Salaries	Male	Female	Wages	
			number		\$	num	ber	\$	
	5. Textile industries:	1							
1	Cotton yarn and cloth mills	42	1,936	869	12,853,869	9,650	4,386	40, 433, 5	
	Woollen mills:								
2	Wool yarn mills	33	223	156	1,735,778	1, 125	1, 196	6,518,8	
3	Wool cloth mills	58	548	245	4, 137, 740	3,535	1,732	15,006,7	
0									
	Synthetic textile mills:	51	2,735	990	19,673,706	8,932	2,444	36, 281, 7	
4	Synthetic textile mills	31	2,100	330	13,013,100	0,002	2, 111	00, 201, 1	
-	Other primary textile mills:								
5	Fibre preparing mills	32	103	36	864,350	591	89	2, 232, 9	
6	Thread mills	15	261	193	1,858,876	258	398	1,596,0	
7	Cordage and twine industry	13	129	61	1,080,446	563	208	2,554,6	
8	Narrow fabric mills	48	197	91	1, 272, 874	877	846	4,645,3	
9	Pressed and punched felt mills	10	66	38	577,888	332	24	1, 183, 9	
0	Carpet, mat and rug industry	16	243	103	1,778,201	990	409	4, 154,	
.1	Textile dyeing and finishing plants	54	253	100	1,853,652	1,320	254	4,927,	
2	Linoleum and coated fabrics industry	19	577	214	4,415,719	1,639	133	6,550,	
	Other textile industries:								
3	Canvas products industry	136	273	121	1,627,494	627	697	3, 127,	
4	Cotton and jute bag industry	31	124	64	1,079,390	313	545	2,082,	
	Miscellaneous textile industries:								
5	Automobile fabric accessory manufacturers Embroidery, pleating, hemstitching manufacturers	28	121	54	961,688	229	423 732	1,779,	
6	Miscellaneous textiles n.e.s. industry	135 203	180 706	78 481	1, 183, 830 5, 853, 011	451 1,086	2, 153	2,700, 7,914,	
8	Totals	924	8, 675	3, 894	62, 808, 512	32, 518	16, 669	143, 691,	
	6. Knitting mills:								
19	Hosiery mills	169	553	390	4, 432, 563	2,590	4,882	17,972,	
20	Other knitting mills	193	909	821	8, 126, 072	2,805	7,815	23,520,	
21	Totals	362	1, 462	1, 211	12, 558, 635	5, 395	12, 697	41, 492,	
	* Clathing industries:								
	7. Clothing industries:								
22	Men's clothing industry: Men's clothing factories	509	2,407	1,538	19, 100, 977	7,470	17,322	57,088,	
23	Men's clothing contractors	141	222	65	1,056,229	1, 269	3,573	9, 118,	
	Women's clothing industry:								
24	Women's clothing factories	648 169	1, 899 178	1,521	18,877,397 955,851	5,040 354	17,551 3,938	54, 247, 7, 053,	
26	Children's clothing industry	186	465	384	4, 172, 230	1,392	6, 183	14, 957,	
27	Fur goods industry	491	849	228	4,810,457	1,871	1, 171	10,035,	
28		130	381	187	2,776,626	1,347	2,088	8, 279,	
	Hat and cap industry	42	265	412		404			
29	Other clothing industries:	4.4	200	414	3,382,676	404	2,930	6,563,	
30	Fabric glove manufacturers	13	48	31	347,039	91	508	1,087,	
31	Miscellaneous clothing, n.e.s. industry	62	145	94	1, 139, 382	241	726	2, 163,	
32	Totals	2, 391	6,859	4, 547	56, 618, 864	19, 479	55, 990	170, 595,	
	8. Wood industries:								
33	Sawmills (including shingle mills)	5,312	7,317	840	27, 108, 541	38,220	230	125,976.	
34	Veneer and plywood mills	77	965	250	6,953,485	8, 258	1,491	34, 539,	
7.1	Sash and door and planing mills:		300	200	0,303,403	0,200	1, 101	01,000,	
35	Sash and door and planing mills (excluding hardwood								
36	flooring) Hardwood flooring	1,563	3, 108 153	602	15,823,639 980,635	12,947	161	39, 404, 2, 897,	
37	Wooden hox factories	166	349	77	1,829,835	2,327	321		
38	Coffin and casket industry			1		975	1	6,918,	
00	Miscellaneous wood industries:	66	139	59	889,967	975	184	3, 233,	
39	Wood handles and turning	61	153	43	850, 362	1,049	102	2,830,	
40	Woodenware	26	67	20	360, 298	352	153	1,058,	
41 42	Cooperage	43	78	33	420,788	359	2	1,019,	
	preservation)	152	421	122	2,665,646	2,128	93	7,760,	
43	Totals	7, 490	12, 750	2,094	57, 883, 196	67, 643	2,775	225, 638,	

TABLE 16. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1960 — Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ²	Selling value of factory shipments	
number			dollars			
10.044						
16,841	53, 287, 430	4, 161, 082	121,345,889	86, 150, 102	209, 502, 785	
2,700	8, 254, 667	474, 488	19, 200, 126	13, 469, 434	20 721 040	
6,060	19, 144, 484	1,439,729	34, 125, 300	31,524,261	32,731,842 66,791,224	
15, 101	55,955,431	5,019,053	102, 275, 676	116, 252, 541	221, 937, 240	
819	3,097,305	262 262	40 500 000			
1, 110	3,454,959	262, 363 161, 166	10, 782, 254	6,034,674	16,915,145	
961	3,635,142	200, 728	7,327,005	6, 374, 243	13, 481, 527	
2,011	5, 918, 199	275,023	9,476,734	6, 353, 748	16,390,845	
460	1,761,880	138,872	9,858,502	10,087,209	20,046,071	
1,745	5,932,415	428, 246	3,338,911	3, 281, 111	6,806,557	1
1,927	6,781,240	799,383	14, 201, 827	10,483,382	25, 168, 880	
2, 563	10,966,165	621,487	4,836,400 20,333,257	11,599,776 17,500,079	17, 188, 447 39, 061, 308	
					,,	
1,718	4,755,479	185,787	9,521,928	8,246,332	17, 444, 947	
1,046	3, 162, 163	146, 564	20,033,731	6,636,805	26,817,737	
827 1,441	2,741,550 3,884,400	84,075 81,920	8,081,894	4, 179, 395	12,531,039	
4, 426	13, 767, 311	462, 434	2, 233, 181 33, 589, 167	6, 140, 229 24, 297, 029	8, 454, 407 59, 252, 932	
61, 756	206, 500, 220	14, 942, 400	430, 561, 782	368, 610, 350	810, 522, 933	
8,415	22, 404, 618	743,931	31,944,315	40, 270, 224	73, 242, 122	
12, 350	31,646,308	1,007,737	72, 141, 251	53,089,383	124,917,872	
20, 765	54, 050, 926	1, 751, 668	104, 085, 566	93, 359, 607	198, 159, 994	
28,737 5,129	76, 189, 722 10, 174, 934	1,008,339 166,678	144,683,906 1,171,222	117,745,549 12,454,350	261, 278, 917 13, 823, 971	
26,011	73, 125, 069	683,051	141,660,936	127,599,613	268, 524, 347	
4,557	8,008,963	125,972	900, 207	9,959,706	10,993,650	
8,424	19, 129, 940	247, 255	41,811,476	31,828,774	73,835,896	
4, 119	14,845,502	303,003	36,724,449	24, 437, 280	60,985,273	
4,003	11,056,561	282, 213	13,005,108	17,012,669	30,326,204	
4,011	9,945,980	123,698	14, 502, 000	20,582,282	34,715,652	
678 1, 206	1,434,192 3,303,018	30, 170 62, 304	2, 261, 006 6, 011, 888	2, 593, 011 5, 152, 380	4,801,427	
86, 875	227, 213, 881	3, 032, 683	402, 732, 198	369, 365, 614	11, 183, 152 770, 468, 489	
46,607	153,084,558	9,881,012	329, 575, 802	252, 150, 944	591,607,7585	3
10,964	41, 493, 029	2, 482, 453	75,461,850	59,979,086	135, 494, 132	3
16,818	55, 227, 749	3,906,208	138, 765, 161	95 640 905	000 000	
1, 267	3,877,844	194, 039	7,711,174	86,613,365 5,597,766	229, 834, 534 13, 489, 720	3
3,074	8,748,811	398, 145	11,542,719	13, 251, 050	25, 171, 658	3
1,357	4, 123, 576	166, 167	4,944,347	6,651,079	11,749,903	3
1,347	3,680,507	193, 825	4,856,348	5, 433, 433	10, 252, 700	3
592 472	1,419,200 1,440,154	81, 179	1,933,998 3,380,531	5, 433, 433 2, 117, 584	4,034,269	4
		111,514		1,780,319	5, 258, 997	4
2,764	10,425,989	755, 142	19,959,283	21,403,862	41, 147, 856	4
85, 262	283, 521, 417	18, 169, 684	598, 131, 213	454, 978, 488	1, 068, 041, 527	4

TABLE 16. Establishments, Employees, Earnings, Fuel and Electricity, Marerials, Value Added and Shipments of the Manufacturing Industries, 1960 - Continued

		Administrative and Estab- office employees ¹				Production workers			
170	Industries	ments	Male	Female	Salaries	Male	Female	Wages	
No.		1	number		\$	num	ber	\$	
ł	o Foundation and Statume industries:	t	1			1			
	9. Furniture and fixture industries: Household furniture industry	1,574	3,090	883	16, 915, 579	15,068	1,488	48,744,380	
1	Office furniture industry	56	432	187	2, 834, 701	2,340	79	8,098,392	
2	Other furniture industries	403	1,296	499	8,565.950	6,726	919	24, 235, 796	
3 4	Electric lamp and shade industry	66	124	101	957, 518	558	416	2,308,071	
				1,670	29, 273, 748	24, 692	2, 902	83, 386, 639	
5	Totals	2, 099	4,942	7,010	23 N 13 1 TO	21,000	,		
	10. Paper and allied industries:	128	9,596	2,856	84, 844, 005	52, 172	1,018	259, 565, 841	
6	Pulp and paper mills	20	539	201	3,796,549	1, 153	31	4,681,756	
7	Asphalt roofing manufacturers	20	303	201	0,100,000				
8	Paper box and bag manufacturers: Folding box and set-up box manufacturers	142	989	434	7, 456, 429	4, 197	2, 495	21,649,144 18,931,324	
9	Corrugated box manufacturers	39 59	1, 125 415	469 238	7, 502, 249 3, 201, 421	3, 911 1, 578	1,016 1,300	8,668,420	
10	Paper bag manufacturers Other paper converters	193	1,538	874	12, 784, 235	4,781	2,507	25, 542, 892	
11							8,367	339, 039, 377	
12	Totals	581	14, 202	5, 072	119, 584, 888	67, 792	0,301	333,033,311	
	11. Printing publishing and allied industries:								
10	Commercial printing: Printing and bookbinding	1,765	4,265	2,055	29, 758, 400	12,576	4,593	63,668,771	
13 14	Lithographing	250	1,323	804	11, 542, 548	4,790	1,760	27, 347, 575	
	Engraving, stereotyping and allied industries:	100	679	310	6, 107, 216	2,817	435	16,359,057	
15 16	Engraving and duplicate plates	160 56	195	62	1,668,200	865	12	4, 382, 088	
17	Publishing only	479	2,140	2, 577	18,912,575	-	_	-	
18	Printing and publishing	752	9,493	5,587	68,826,856	14, 267	2,089	74, 214, 735	
19	Totals	3,462	18,095	11,395	136, 815, 795	35, 315	8,889	185, 972, 226	
00	12. Primary metal industries: Iron and steel mills	48	5, 055	1,333	40,080,884	29,906	178	153,811,854	
20	Steel pipe and tube mills	15	546	123	3,745,018	2,448	12	12,447,459	
22	Iron foundries	141	1,027	303	7, 178, 433	7,226	121	28,775,981	
23	Smelting and refining	23	4,919	655	34,667,270	24, 088	46	119,015,068	
24	Aluminum rolling, casting and extruding	44	1,468	743	12, 101, 829	3, 594	111	15, 339, 289	
25	Copper and alloy rolling, casting and extruding	70	564	170	4, 086, 449	2,730	23	12, 383, 329	
26	Metal rolling casting and extruding, n.e.s.	77	638	163	4, 273, 871	1,624	211	6,675,802	
27	Totals	418	14, 217	3,490	106, 133, 754	71,616	702	348, 448, 782	
	co and a first of district force and machiness and trans-								
	13. Metal fabricating industries (except machinery and transportation equipment industries):								
28	Boiler and plate works	71	1,071	329	7,052,810	3,280	29	13,692,285	
29	Fabricated structural metal industry	73	3,234	769	22,787,093	11, 161	31	50, 245, 098	
30	Ornamental and architectural metal industry	514	1, 958	532	11, 925, 028	6,049	236	22, 997, 687	
31	Metal stamping pressing and coating industry	519	3,584	1,370	27, 383, 694	14,086	1,768	65, 201, 823	
32	Wire and wire products manufacturers	200	2,077	866	16, 014, 133	8, 106	856	37, 910, 286	
33	Hardware, tool and cutlery manufacturers	312	1,395	694	11,424,263	5,684	1,021	25, 217, 40	
34	Heating equipment manufacturers	118	1,224	438	8, 218, 925	3,679	80	14, 409, 799	
35	Machine shops	768	1,738	437	9, 229, 648	5,813	128		
36	Miscellaneous metal fabricating industries	321	2,905	1,023	20, 110, 801	9,716	1,138	42, 208, 654	
37	Totals	2,896	19, 186	6, 458	134, 146, 395	67,574	5, 287	294, 591, 98	
	14. Machinery industries (except electrical machinery):								
38		69	2,461	589	17,603,937	7,816	63	35, 171, 51	
39		i	7,126	2, 402	49, 278, 843	17,390	688	74, 513, 28	
40							-	4 200 40	
	manufacturers	1	332	111	2,346,808	1, 140	18		
41	Office and store machinery manufacturers	22	661	364	5, 865, 113	1,917	417		
42	Totals	533	10,580	3,466	75, 094, 701	28, 263	1, 186	124, 332, 98	

¹ See footnotes at end of table.

TABLE 16. Establishments, Employees, Earnings, Fueland Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1960 - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost ot plant of materials used	Value added by manufacture ²	Selling value of factory shipments
number			dollars		
	1		4011415		
20, 529	65, 659, 959	2, 130, 823	95, 113, 121	100,811,757	196,836,913
3,038	10, 933, 093	448, 397	11,841,196	17, 151, 394	30, 053, 750
9,440	32, 801, 746	1,122,887	52, 768, 561	54,671,051	108, 585, 918
1, 199	3, 265, 589	99, 098	6,545,883	5, 859, 371	12,504,243
34, 206	112, 660, 387	3, 801, 205	166, 268, 761	178, 493, 573	347, 980, 824
65, 642	344, 409, 846	111, 159, 354	656, 877, 464	811, 546, 844	1,578,727,108
1,924	8,478,305	701, 994	21, 221, 644	16, 009, 793	37, 930, 560
8, 115	29, 105, 573	833,413	65, 986, 826	49, 483, 347	115, 377, 917
6,521 3,531	26, 433, 573 11, 869, 841	1,217,084 392,174	89, 872, 778	50, 057, 592	141,052,151
9,700	38, 327, 127	1,701,279	48, 772, 104 97, 141, 823	27, 453, 038	76, 491, 077
95, 433	458, 624, 265			81, 353, 758	178, 528, 384
33, 433	430, 024, 203	116, 005, 298	979, 872, 639	1, 035, 904, 372	2, 128, 107, 197
23, 489	93, 427, 171	2, 160, 704	87,656,862	157, 004, 683	245,848,212
8,677	38, 890, 123	741, 428	49,693,006	64, 042, 097	114, 504, 302
4,241 1,134	22, 466, 273 6, 050, 288	407,708	8,927,861	33, 197, 721	42, 492, 367
4,717	18, 912, 575	67, 211	634, 180	8,639,009	9, 315, 527
31,436	143, 041, 591	2, 966, 809	33,673,370 94,260,807	60, 199, 711 263, 058, 971	93, 893, 874 359, 876, 447
73, 694	322, 788, 021	6,343,860			
13,034	322, 100, 021	0,343,000	274, 846, 086	586, 142, 192	865, 930, 729
26 470	100 000 500	00 154 400	050 545 500		
36,472	193, 892, 738 16, 192, 477	29, 174, 439	359, 717, 733	375, 304, 958	756, 456, 392
8,677	35, 954, 414	2, 161, 366 2, 243, 501	86, 531, 345 40, 446, 563	32,733,055	120, 860, 404
29, 708	153, 682, 338	63, 268, 058	924, 379, 442	55, 330, 014 507, 530, 017	97, 685, 520
5, 916	27, 441, 118	1, 919, 035	63, 889, 589	27, 411, 031	1,495,177,5175
3,487	16, 469, 778	1,521,467			96, 379, 717
2,636	10, 949, 673	1, 197, 896	86, 529, 105 36, 771, 653	29, 617, 452 19, 188, 918	118, 899, 578 57, 060, 903
90, 025	454, 582, 536	101, 485, 762	1, 598, 265, 430	1, 047, 115, 445	2, 742, 520, 031
	20.7,00.4,000	200,100	2,000, 200, 200	2,021,220,220	~, 11×, 0×0, 001
4,709	20, 745, 095	773,673	33,137,842	20 741 257	60 500 070
15, 195	73, 032, 191	2, 191, 050	110, 143, 733	33, 741, 357 120, 730, 315	68, 503, 973 233, 165, 690 ⁵
8,775	34, 922, 715	1, 354, 380	52, 987, 173	60, 424, 451	115, 176, 064
20,808	92, 585, 517	4,337,789	171, 009, 071	173, 714, 858	349, 079, 849
11,905	53, 924, 419	2,761,675	110, 395, 449	87, 736, 927	200, 112, 321
8,794	36,641,665	1,464,804	34, 109, 569	69, 815, 003	105, 436, 671
5, 421	22,628,724	958,833	38, 236, 602	43, 243, 974	83, 198, 471
8, 116	31,938,600	1,390,372	24, 579, 351	50, 539, 470	75, 935, 435
14,782	62, 319, 455	3,881,589	88, 080, 287	110,718,461	202, 296, 329
98, 505	428, 738, 381	19, 114, 165	662, 679, 077	750, 664, 816	1, 432, 904, 803
10, 929	52, 775, 449	1, 972, 973	78, 433, 294	61,773,292	152, 126, 862
27,606	123, 792, 123	4, 248, 592	174, 357, 409	217, 656, 790	393, 932, 002
1,601	6,746,295	302,680	9, 723, 870	13,062,361	22,633,244
3,359	16, 113, 815	247,345	36, 557, 312	37, 270, 780	73, 766, 859
0,000	20,220,020	2,1,020			,,,,,,,,

TABLE 16. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1960 - Continued

	Industries	Estab-	Administrative and office employees ¹			Production workers		
No.		ments	Male Female		Salaries	Male Female		Salaries
0.			number		\$	nun	ber	\$
	15. Transportation equipment industries:							
1	Aircraft and parts manufacturers	83	7, 376	2, 119	53, 787, 911	17, 132	429	77,754,79
2	Motor vehicle manufacturers	18	5,878	1,388	46, 196, 935	20,081	336	103, 551, 23
3	Truck body and trailer manufacturers	114	700	208	4,605,770	2,676	22	9,764,37
4	Motor vehicle parts and accessories manufacturers	1 19	2,644	896	20,726,500	9,923	1,939	52,919,52
5	Railroad rolling stock industry	29	2,356	264	15,877,812	15,603	33	61,192,03
6	Ship building and repair	66	2, 136	509	13, 443, 035	12,382	34	51,029,08
7	Boat building and repair	243	409	60	1,478,751	1, 259	18	3, 934, 40
8	Miscellaneous vehicle manufacturers	15	103	34	665,375	395	75	1,425,24
9	Totals	687	21,602	5,478	156, 782, 089	79,451	2,886	361,570,69
3		001	21,004	0,110	10011041000	101 402	2,000	
	16. Electrical Products industries:							
10	Manufacturers of small electrical appliances	66	590	361	4,967,892	1,791	1,042	10,080,86
11	Manufacturers of major appliances (electric and non- electric)	44	2,382	823	16,356,947	7,509	513	31,579,20
12	Manufacturers of household radio and television receivers	23	1,999	706	14,015,276	1,806	1,336	10,448,4
13	Communications equipment manufacturers	132	6, 138	2,024	45,718,804	8,071	6,748	56,546,5
14	Manufacturers of electrical industrial equipment	100	5,310	1,582	40,032,102	8,659	1,528	44, 116, 1
15	Battery manufacturers	28	491	183	3,521,304	1,073	367	5,537,2
16	Manufacturers of electric wire and cable	28	1,706	480	12, 235, 638	4,283	246	19,636,0
17	Manufacturers of miscellaneous electrical products	127	1,486	657	11,604,155	3,841	2,917	22, 191, 4
18	Totals	548	20, 102	6,816	148, 452, 128	37,033	14,697	200, 136, 0
20			20,100	0,010	110, 100, 100	01,000	22,001	200,100,00
	17. Non-metallic mineral products industries:					0		
19	Cement manufacturers	20	544	97	4,007,838	2,754	3	13, 114, 90
20	Lime manufacturers	. 25	102	17	529,437	833	1	3,431,4
21	Gypsum products manufacturers	14	355	104	2, 274, 521	1,063	-	4,243,4
22	Concrete products manufacturers	645	1,780	343	9,490,137	6,540	46	22,726,76
23	Ready-mix concrete manufacturers	136	732	180	4,446,670	3, 267	21	14, 151, 0
24	Clay products manufacturers: Clay products manufacturers (from domestic clays)	113	539	104	3,245,306	3, 274	74	11,988,8
25	Clay products manufacturers (from imported clays)	27	239	84	1,757,892	1,113	335	5,504,4
26	Refractories manufacturers	16	120	25	768, 752	488	-	1,947,2
27	Stone products manufacturers	142	255	45	1, 311, 728	935	16	3,046,54
28	Mineral wool manufacturers	12	271	86	1,857,331	709	1	3,045,7
29	Asbestos products manufacturers	17	361	140	2,540,633	1,450	135	6,670,9
30	Glass and glass products manufacturers: Glass manufacturers	12	767	306	4, 952, 217	4,521	977	21,606,3
31	Glass products manufacturers	97	406	220	3, 186, 975	1,541,	276	6,966,0
32	Abrasives manufacturers	20	412	167	3, 510, 003	1,838	102	9,003,59
33	Other non-metallic mineral products industries	35	144	46	1,035,129	281	21	1,076,16
34	Totals	1,331	7, 027	1,964	44, 914, 569	30,607	2,008	128,523,53
	18. Petroleum and coal products industries:							
	Petroleum refineries:4							
35 36	Petroleum refining ⁴ Manufacturers of lubricating oils and greases	44 16	4,722	1,402	39, 639, 873 630, 316	7,222	54	40,411,40
37	Other petroleum and coal products industries	36	163	53	1, 146, 366	511	- min	2,408,10
38	Totals	96	4,970	1,485	41,416,555	8,004	54	44,030,3

TABLE 16. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the manufacturing Industries, 1960 — Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ²	Selling value of factory shipments
number			dollars		
27,056	131, 542, 701	3, 281, 494	114 621 202	100 050 550	
27, 683	149, 748, 166	6,043,078	114, 521, 392	188, 850, 776	308, 190, 203
3,606	14, 370, 145		619,018,864	338, 340, 452	970, 329, 667
15, 402	73, 646, 028	551, 679	26, 737, 608	24, 481, 064	52, 402, 823
18, 256	77, 069, 849	4, 283, 049 3, 782, 545	151,093,080	129, 232, 815	286, 871, 543
15, 061	64, 472, 121	2, 038, 792	124, 501, 102 49, 890, 117	82, 131, 698	212, 076, 967
1,746	5, 413, 153	244, 149		96, 417, 417	148, 295, 478
607	2,090,623	74, 393	6, 374, 309 3, 948, 251	7, 320, 024	13, 789, 432
109,417	518, 352, 786	20, 299, 179	1,096,084,723	4,960,513 871,734,759	8,733,133 2,000,689,246
3, 784	15,048,761	549,746	26,047,228	34, 214, 740	61,620,000
11, 227	47, 936, 208	2, 998, 911	108, 529, 062	88,965,128	204, 087, 643
5,847	24,463,760	445, 427	67, 158, 526	36, 896, 045	104, 437, 855
22, 981	102, 265, 349	1,505,599	81, 346, 425	164, 732, 956	235, 446, 645
17,079	84, 148, 231	2,601,859	84,892,375	148, 467, 956	236, 909, 556
2, 114	9,058,580	493,052	21,534,007	16,769,440	39, 384, 681
6, 715	31, 871, 712	1,699,638	95,020,954	62, 763, 991	160,771,053
8,901	33, 795, 626	1,416,435	61,467,039	71, 803, 326	133, 308, 800
78, 648	348, 588, 227	11,710,667	545,995,616	624,613,582	1, 175, 966, 233
3,398	17, 122, 742	15, 965, 171	11, 294, 254	69,616,378	96,769,665
953	3,960,864	2,874,777	1,010,426	8,015,022	11,874,520
1,522	6,517,999	1,403,058	14,006,834	15, 163, 986	30, 364, 799
8,709	32, 216, 905	3,887,036	42,535,445	61,040,202	107, 444, 952
4, 200	18, 597, 733	3, 125, 803	58, 408, 165	39, 566, 483	101, 200, 299
3,991 1,771	15, 234, 205 7, 262, 317	5,679,567 879,634	1, 284, 138 5, 942, 170	31,944,022 14,991,838	38,033,788 21,524,752
633	2,716,026	559, 218	8,569,617	9, 397, 193	18,555,636
1, 251	4, 358, 269	304,909	4,679,709	7, 201, 534	12, 120, 594
1,067	4, 903, 049	1, 144, 694	5, 984, 247	11, 152, 582	17,739,972
2,086	9, 211, 568	867, 938	12,769,299	15,839,727	29, 429, 028
6, 571 2, 443	26,558,555 10,152,978	4, 149, 961 719, 557	21,687,153 18,561,313	37,854,382 22,991,144	62, 553, 640 41, 988, 923
2,519	12,513,599	5,784,240	19, 329, 265	23,955,964	48,568,969
492	2, 111, 291	357, 296	4,688,303	4, 340, 039	9, 292, 043
41,606	173, 438, 100	47,702,859	230, 750, 338	373,070,496	647, 461, 580
13, 400 386	80,051,281 1,841,104	49, 256, 438	841, 631, 957 19, 276, 830	263, 252, 142 7, 401, 067	1, 148, 943, 021 ⁸ 26, 102, 233
727	3, 554, 526	675,511	12,724,823	9,051,859	
14,513	85.446.911	50,071,703	873, 633, 610	279, 705, 068	22, 922, 504 1, 197, 967, 758

TABLE 16. Establishments Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries, 1960 - Concluded

	Industries	Estab- lish- ments	Administrative and office employees ¹			Production workers		
			Male	Female	Salaries	Male	Female	Wages
No.			number		\$	num	ber	\$
	19. Chemical and chemical products industries:							
		12	1,428	511	10,747,525	2,684	626	13,045,737
1	Explosives and ammunition manufacturers					785	2	3, 131, 975
2	Manufacturers of mixed fertilizers	42	295	112	2,484,020			
3	Manufacturers of plastics and synthetic resins	33	1, 220	340	9, 123, 291	2, 398	42	12, 147, 702
4	Manufacturers of pharmaceuticals and medicines	198	1,738	1,635	17,638,697	2,407	2, 214	14, 259, 782
5	Paint and varnish manufacturers	139	1,834	985	14,402,031	3,059	286	13, 264, 946
6	Manufacturers of soap and cleaning compounds	134	1,144	546	8,957,082	1,869	424	10,068,322
7	Manufacturers of toilet preparations	84	425	511	4,735,505	610	1,090	4,582,540
8	Manufacturers of industrial chemicals	131	4,455	1,233	32, 983, 829	10,626	57	53, 458, 818
	Other chemical industries:	33	199	124	1,760,822	608	9	2,481,032
9 10	Manufacturers of printing inks	337	1,486	908	12, 173, 306	2, 737	607	11,784,157
11	Totals	1,143	14, 224	6, 905	115, 006, 108	27,783	5,357	138, 225, 011
	20. Miscellaneous manufacturing industries:							
12 13 14 15 16	Scientific and professional equipment manufacturers: Instrument and related products manufacturers Clock and watch manufacturers Orthopedic and surgical appliance manufacturers Ophthalmic goods manufacturers Dental laboratories ³	01	2, 297 167 66 245 630	889 132 41 94 69	16,790,928 1,562,008 490,987 1,477,535 3,401,856	3,017 317 114 515 843	1, 150 434 125 244 178	16,828,709 2,440,349 603,138 2,124,971 3,334,642
17	Jewellery and silverware manufacturers	228	658	436	5, 168, 054	2,008	1,159	10, 156, 694
18	Broom, brush and mop industry	100	334	199	2,493,196	1,051	527	3,999,123
19	Venetian blind manufacturers	1 .	100	46	558,616	193	71	645,995
20	Plastic fabricators, n.e.s		985	433	7,027,266	3, 157	1,712	14,034,968
	Charting goods and toy industry:					1 000	710	9,015,325
21 22	Sporting goods industry Toys and games industry	109	436 232		3,347,246 1,847,185	1,992 967	719	5, 354, 119
23	Fur dressing and dyeing industry		79	18	644,420	760	132	2,997,455
24	Signs and displays industry		981	306	6,601,236	2,979	223	11,878,534
	Miscellaneous manufacturing industries, n.e.s.:	45 19	173	29	1,582,705 361,625 148,296	525 109 61	697 69 25	3,278,959 475,555 241,093
25 26 27 28 29 30	Hair goods manufacturers Artificial flowers and feathers manufacturers	. 33	20 56 152	36	377, 598 1,072,675	163 590	238 62	920, 295 2, 904, 817
29 30	Model and pattern manufacturers Musical instruments and sound recording industry	. 29	161	103	1,286,956 655,914	917 193	331 120	4,449,335 934,590
31 32 33	Fountain pen and pencil manufacturers	. 20		132	1,729,051 218,592	236 53	532 48	1,950,624 299,244
34 35	Stamp and stencil (rubber and metal) manufacturers.	70	197	91	1,454,445	621	97 266	2,484,854 1,450,561
	facturers	. 95	163	5	827,090 136,547 382 837	325 16 256	75	194, 234 866, 280
36 37 38	Artificial ice manufacturers	. 46			382,837 2,331,903	846	726	4,378,533
39	Totals	2, 493	8, 804	4,056	63, 976, 767	22, 824	11,399	108, 242, 996
40	Grand totals, all manufacturing industries	36, 682	224, 200	85, 438	1,606,967,827	774,276	210,709	3, 600, 199, 566

Includes about 25,000 working proprietors.
 See footnote 1, Table 7.
 See footnote 7, Table 7.

TABLE 16. Establishments, Employees, Earnings, Fuel and Electricity, Materials, Value Added and Shipments of the Manufacturing Industries 1960 -

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ²	Selling value of factory shipments	
number		1	dollars			1
5, 249	23, 793, 262	1,707,552	27,506,012	39,357,600	67, 123, 575	
1,194	5,615,995	497,055	32,550,234	12,798,517	45,859,990	
4,000	21,270,993	4,835,008	68,630,527	56,943,380	128,657,676	
7,994	31,898,479	1,077,743	45,550,429	118, 517, 168	164,896,766	
6, 164	27,666,977	1,031,448	74, 264, 463	72,544,033	147, 475, 788	
3, 983	19,025,404	1,436,951	56,410,029	80,518,573	139,278,813	
2,636	9,318,045	226,950	22,671,222	44,458,753	67, 200, 300	
16,371	86,442,647	41,541,704	177, 272, 303	239, 141, 280	449,982,770	
940 5,738	4,241,854 23,957,463	174,337 2,365,213	7,610,557 70,377,258	9,760,110 73,713,820	17,400,874 145,589,996	
54, 269	253, 231, 119	54, 893, 961	582,843,034	747, 753, 234	1, 373, 466, 548	
7,353 1,050 346 1,098 1,720	33,619,637 4,002,357 1,094,125 3,602,506 6,736,498	739,593 58,004 28,136 89,684 106,120	48, 158, 927 8, 173, 736 892, 087 3, 127, 872 2, 690, 692	55, 796, 752 8, 318, 228 1, 557, 395 3, 734, 097 9, 338, 549	1 03, 375, 018 16, 128, 200 2, 475, 194 6, 890, 592 12, 114, 820	
4,261	15, 324, 748	353,710	20, 897, 196	25,884,225	55,680,326	
2, 111	6, 492, 319	189, 138	8,580,533	12,007,348	20,802,638	
410	1, 204, 611	64,866	1,977,077	1,971,782	4,042,839	
6, 287	21,062,234	1,149,059	47, 121, 433	41,035,902	87,989,559	
3,453 2,799	12, 362, 571 7, 201, 304	417, 312 251, 643	16,894,270 13,000,220	20,970,740 12,443,711	37, 882, 494 25, 379, 229	
989	3,641,875	124, 699	1,014,656	5,686,988	6,804,986	
4,489	18, 479, 770	767, 255	14,650,483	31, 582, 706	46,987,808	
1,518 245 117 493 853 1,512 434 1,089 161 1,006	4,861,664 837,180 389,389 1,297,893 3,977,492 5,736,291 1,580,504 3,679,675 517,836 3,939,299	132, 993 55, 186 26, 112 26, 368 90, 235 194, 899 55, 903 85, 324 22, 948 112, 023	5,992,308 1,189,529 404,146 1,326,952 1,632,224 5,936,200 3,646,747 5,897,714 964,933 2,430,428	8,609,715 1,700,343 609,107 2,116,332 7,012,901 13,509,677 3,003,481 7,651,336 1,113,660 5,531,845	14,126,164 3,002,515 1,044,055 3,541,178 8,652,609 19,689,082 6,626,260 13,921,698 2,158,617 8,058,390	
815 114 348 2,012	2, 277, 651 330, 781 1, 249, 117 6, 710, 436	79,695 8,799 367,966 199,036	2, 249, 183 539, 192 225, 648 8, 983, 010	3, 288, 268 528, 980 2, 033, 847 13, 006, 134	5,656,676 1,063,526 2,624,447 22,216,590	
47,083	172, 219, 763	5, 796, 706	237,597,396	300,043,449	538, 935, 510	
1,294,629	5, 207, 167, 393	561, 147, 307	12,705,070,820	10, 533, 208, 994	23, 747, 457, 083	

⁴ The figures for 1959 and 1960 are not comparable to those of 1957 and 1958 because of a change in the method of valuation for products in the Petroleum Refining Industry. It is estimated that if the revised basis of valuation had been used for 1957 and 1958 the value of shipments in those years would have been about \$300,000,000 lower.

⁵ Reported on a production basis.

Table 17 gives the amount and value of the manufacturing pal commodities produced or shipped by the manufacturing total production.

If of this report, industries of Canada. Commodities produced in small quantities

Table 17 gives the amount and value of each of the princi-commodities produced or shapped by the manufacturing are not included but the list covers approximately 75 p.c. of total production. For a complete list of products, see Appendix

TABLE 17. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1960

Note: Since 1952 the basis of collection is "Value of factory shipments" instead of "Gross value of products". However, the commodities

	Quantity	Value
		\$
d: discuits, all kinds	259, 203, 977	77,653,030
tread	825.759	215, 250, 379
stread Sutter, factory made	321, 123, 745 196, 200, 030	204,046,906
heese, factory made	196, 200, 030	69, 837, 962
theese, factory made coffee, instant	11, 360, 491	25,811,059 105,984,396
Coffee and tea, blended, roasted and packed	130, 542, 271 226, 449, 716	06 997 171
Onlectionery, all kinds	2207 1207 120	51, 270, 710 26, 106, 496
read chonned grain	546.728	26, 106, 498
eeds, stock and poultry, prepared	3,006,635	434, 330, 013
ish, canned and otherwise prepared	40,896,639	66,685,000
lour, wheat	671,922,003	176,581,373 92,090,160 18,102,290
ruits and vegetables, canned	104, 236, 661	18, 102, 29
Tutts and vegetapies, frozen	39, 557, 325	64, 561, 18
ams, jellies and marmalades	117, 283, 272 120, 387, 467	24,899,26
ard	120, 387, 467	15,788,48 35,063,30
argarine and margarine substitutes	167, 220, 261	43, 381, 62
eats, canned, including poultry, pastes, etc.	94, 207, 742 323, 531, 288	134, 823, 73
leats, cooked, including sausage, weiners, etc.	282,827,940	134, 823, 73 139, 343, 55
eats, sold fresh and frozen, including poultry	2,025,646,478	746, 243, 09
iilk, sold by dairy factories	374, 859, 310	302, 514, 68
tilk, evaporated and condensed	339, 337, 594	45,515,81
tickles, relishes and catsup		35, 010, 79 96, 953, 10
les, cakes and pastry		68, 294, 28
onfectionery, all kinds ream, sold by dairy factories eed, chopped grain eeds, stock and poultry, prepared ish, canned and otherwise prepared lour, wheat ruits and vegetables, canned ruits and vegetables, frozen ee cream, factory made ams, jellies and marmalades ard argarine and margarine substitutes eats, canned, including poultry, pastes, etc. leats, cocked, including sausage, weiners, etc. leats, sould fresh and frozen, including poultry lilk, sold by dairy factories lilk, evaporated and condensed 'ickles, relishes and catsup 'ies, cakes and pastry 'owders, edible (custard, jelly, milk, etc.) hortening ours canned (except infants')	177, 097, 297	37,689,02
ours, canned (except infants')	269, 293, 647	52,003,64
owners, entitle (caseard, jeny, mink, etc.) hortening oups, canned (except infants') ugar, granulated (cane and beet)	1,434,863,160	104, 526, 73
verages:		
Beer, ale, stout and porter (sales)	238, 731, 690	399, 225, 64
Seer, ale, stout and porter (sales) Beverage spirits sold (net sales)	16,501,382 157,108,330	136, 472, 39 143, 928, 75
Carbonated beverages Wine sold	6, 767, 923	17, 291, 20
mile sold	071011020	
bacco and tobacco products:	34, 698, 794	509,689,06
Cigarettes	328, 688	22,661,73
Tobacco, chewing, smoking and snuff	23, 932, 397	64, 108, 13
Tigars Tobacco, chewing, smoking and snuff Tobacco, raw leaf, processed*	161, 190, 523	116,525,64
xtile products, except clothing:		
Sags, cotton and jute	9, 970, 387	22, 584, 14
Blankets		12, 28 2, 40 31, 433, 89
Carpets, mats and rugs		111, 132, 02
Cotton Tabrics		73, 080, 13
Tire fabrics	22,994,762	20,723,59
Twine and cordage		15,015,01
Woven fabrics, wool or containing wool		47, 971, 66
tile products, except clothing: ags, cotton and jute slankets larpets, mats and rugs Outon fabrics joutherite woven fabrics, all types line fabrics wine and cordage (woven fabrics, wool or containing wool farns, cotton, rayon, wool, etc. (for sale)		156, 813, 78
othing:	500 500	14 104 5
Coats and overcoats, cloth, men's and youths'	500,520 1,409,881	14, 164, 78 36, 872, 7
Coats, Wool, Women's and misses'	211, 320	47, 393, 24
Doats and overcoats, cloth, men's and youths' Coats, wool, women's and misses' Coats, fur, women's (factory made) including jackets, boleros etc. Short coats (including windbreakers, mackinaws, parkas, leather coats, etc.)	535,873	47, 393, 24 39, 253, 25
Dresses, women's	12, 379, 357	92,011,68
short coats (including windbreakers, mackinaws, parkas, leather coats, etc.) Prossess, women's Potwear, leather Footwear, rubber Gloves and mittens, all kinds Hats and caps, men's Hats, women's and children's Hats, women's and children's	38,327,754 9,943,960	151, 812, 6
Footwear, rubber	9,943,960	25, 195, 81
Hats and caps men's	660,113	16, 284, 1 11, 506, 0
Hats, women's and children's	432, 895	14, 061, 66
Hosiery, all kinds	13,584,593	68, 214, 35 58, 548, 2'
Shirts, fine, work and sport	2,626,921	32,575,00
Sport suits, siacks and other sport clothing, n.e.s.	1, 339, 381	32, 575, 00 50, 872, 63
Hosiery, all kinds Shirts, fine, work and sport Sport suits, slacks and other sport clothing, n.e.s. Suits, men's and youths' fine wollen Underwear	1,000,001	54, 483, 7
ad mediate:		
od products: Boxes wooden		9,761,2
Boxes, wooden Lumber, planed and matched Lumber, sawn* Pulp, wood, made for sale Sask doors, and other mill work	1,442,953	103, 370, 33
Lumber sawn*	8,021,877	512, 698, 60 361, 853, 83
	3,025,765	

TABLE 17. Quantities and Values of the Principal Commodities Produced or Shipped by the Manufacturing Industries of Canada, 1960 — Concluded

		Quantity	Value
Paper products: Bags, paper Boxes, paper Paper boards, all types (basic)* Paper, book and writing (basic)* Paper, newsprint (basic)* Paper, wrapping (basic)*	ton	1,277,000 403,000 6,689,000 322,000	\$ 63,322,760 224,177,390 165,800,000 106,574,000 783,364,000 70,779,000
Inting, publishing and allied industries: Books and catalogues, printed and bound Other advertising matter, printed Periodicals printed for publishers Periodicals printed by publishers: Subscriptions and sales Gross recognic for the printed for the			43, 519, 873 62, 192, 010 31, 474, 438 83, 387, 128
Gross revenue from advertising Sheet forms commercial, legal, etc. printed			230, 509, 067 31, 474, 438
ron and steel products: Bars, Iron and steel, hot rolled (sold) Boilers, heating and power Castings, grey iron, made for sale Farm implements and parts Forgings, steel and other Hardware, builders', pole line and other	ton No.	723,753 16,147	105, 903, 514 33, 806, 692 38, 919, 487 140, 695, 000 27, 384, 242 49, 678, 000
Miscellaneous machinery and equipment, and office and store machinery	ton	676,964	495 014 528
Sheets hars and other cold-rolled products sold	ton	620, 114 1, 129, 304	36,160,653 177,571,068 56,282,851 202,718,594
Steel ingots and castings, sold Steel shapes erected, buildings, bridges, etc. Steel shapes, structural, made in primary mills Stoves, coal, wood, electric and gas Tools and implements, hand, all kinds and parts Wire, wire rope and cable, steel	ton	312, 989 234, 530	59, 192, 945 184, 505, 952 30, 075, 626 48, 449, 165 32, 323, 000 62, 737, 489
ransportation equipment: Automobiles, commercial	No.	69, 338	163, 715, 297
Automobiles, passenger Automobile parts and accessories, including tires Buses	No.	322, 409 164	648, 360, 011 497, 662, 098 4, 500, 083
Cars, railway, complete, freight and passenger* Locomotives, diesel-electric, new* Ships and ship repairs*	44	2, 510 172	25, 396, 966 29, 189, 368 149, 127, 992
on-ferrous metal products: Jewelry Kitchenware, aluminum Silverware Smelter and refinery products*			27, 452, 910 5, 707, 208 7, 553, 938 1, 495, 477, 517
ectrical apparatus and supplies: Batteries, electric, storage Radio recelving sets, complete Refrigerators, household, mechanical Television sets Wires and cables, electric	No.	648,938 239,436	24,932,389 24,487,177 40,211,631 53,726,999 149,795,515
on-metallic mineral products: Abrasives	ton	271, 716	32, 443, 577
Coke, gas-house* Concrete, ready-mixed Gas, manufactured, sold* Glass, pressed and blown (bottles, sealers, ovenware, etc.)	ı. yds.	8, 228, 098	5, 025, 437 102, 976, 064 32, 959, 256 62, 533, 640
emicals and allied products: Calcium and sodium compounds Fertilizers, mixed Medicinal and pharmaceutical preparations Paints, enamel and varnishes			62,197,917 42,763,452 159,390,000 134,341,473
Synthetic resins Soaps and synthetic detergents Toilet preparations	lb.	315, 612, 029 340, 384, 000	86,037,318 97,910,000 79,487,570
scellaneous: Bags, hand and hand luggage			16, 471, 239
Brooms and household brushes Cans, metal, for food Purniture, wood and metal	doz.	584,038	5,085,516 74,433,534 179,897,838
Gasoline*	bbl. pr.	102,662,026 36,549,798	531, 607, 344
Mattresses Mops, floor Jil, fuel (made for sale)*	doz.	376, 423 119, 741, 510	144, 311, 122 24, 501, 728 3, 704, 885 416, 744, 146
Pianos, organs and parts Scientific and professional equipment		227, 227, 020	88,786,398
Sporting goods Springs, bed and other furniture Toys and games			36,869,461 15,472,570 33,055,937

Subsection 2. Manufactures Classified on the Chief Component Material Classification Basis

For the most purposes a classification of manufacturing industries based upon "chief component materials" has, in the past, proved most useful in Canadian industrial classification. For this reason the Bureau's classification based upon this concept has been the one most widely used for general purposes such as the Decennial Census, Vital Statistics, Foreign Trade, etc. Even for these purposes some modification has been deemed expedient, such as the inclusion of a group "Textile Products", composed partly of animal and partly of vegetable products.

When the industry of a country is primarily concerned with the early stages in the processing of primary materials, i.e., when its final products are chiefly such items as pig iron, lumber and processed fish, a classification based upon chief component material is wholly applicable. As manufacturing industry develops, however, turning out more and more goods for final consumption, the combination of ingredients in such output becomes more and more complex. The modern automotive, aircraft, shipbuilding, and electrical apparatus industries are examples in which a wide variety of materials must be assembled for the completion of the final product.

In recent years Canada's industrial system has undergone considerable development. Consequently in establishing the Standard Industrial Classification, the concept of "purpose" has been combined with that of "ohief component material" in the framework of the classification of manufacturing industries. For the classification of consumers' goods industries the concept of "purpose" seems most applicable both in terms of common usage in referring to industries and in providing the type of data most often required. Hence, such major groups as Foods and Beverages, Clothing, Transportation Equipment, Electrical Apparatus and Supplies, have been established.

TABLE 18. Principal Statistics of the Manufacturing Industries, classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-59²

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	nıır	nber		dol	ars	
	1141	1			l l	
1917						
Vegetable products	4,151 5,486 1,033 7,258 1,495 296 1,075 539 512	62,791 46,994 76,315 153,701 161,745 18,220 20,781 56,153 9,823	45, 916, 557 35, 753, 133 47, 386, 592 115, 198, 434 161, 875, 426 15, 898, 890 18, 224, 724 51, 505, 484 6, 042, 604	367, 214, 061 320, 302, 039 131, 071, 158 150, 122, 143 378, 193, 116 46, 445, 469 36, 994, 392 99, 068, 092 10, 268, 341	183, 782, 501 124, 103, 990 109, 227, 157 249, 201, 596 371, 792, 489 41, 039, 351 58, 092, 396 131, 381, 995 12, 510, 505	550, 996, 562 444, 406, 029 240, 298, 313 399, 323, 739 749, 985, 605 87, 484, 820 95, 086, 788 230, 450, 087 22, 778, 846
Totals	21,845	606, 523	497, 801, 844	1,539,678,811	1, 281, 131, 980	2,820,810,791
1920						
Vegetable products	4,549 4,823 1,304 7,881 1,789 324 846 464 552	74, 241 48, 687 87, 730 144, 391 164, 087 23, 162 25, 500 17, 653 13, 442	77,750,189 54,291,606 84,433,609 172,368,578 231,595,911 27,895,343 32,351,764 22,193,421 14,613,455	536, 828, 044 400, 496, 354 256, 233, 300 309, 813, 724 377, 499, 134 48, 434, 120 69, 856, 558 62, 644, 608 23, 465, 807	239, 328, 371 152, 995, 130 173, 741, 035 417, 256, 115 411, 875, 057 52, 847, 178 80, 205, 472 65, 183, 212 27, 841, 778	776, 156, 415 553, 491, 484 429, 974, 335 727, 069, 839 789, 374, 191 101, 281, 298 150, 062, 030 127, 827, 820 51, 307, 585
Totals	22,532	598,893	717, 493, 876	2,085,271,649	1,621,273,348	3,706,544,997
1929						
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	5, 350 4, 490 1, 534 7, 392 1, 224 408 843 554 421	91,032 67,670 103,881 164,572 142,772 39,867 29,257 16,694 10,786	95,853,121 62,081,423 94,969,433 192,088,948 203,740,658 54,501,806 38,958,390 22,639,449 12,457,989	431, 595, 751 345, 351, 882 217, 954, 088 313, 797, 201 405, 818, 468 124, 900, 632 112, 573, 103 55, 184, 337 22, 495, 351	341,688,938 127,929,857 180,469,064 381,485,477 367,465,582 150,415,215 99,065,847 78,785,911 28,081,046	783,706,883 477,761,855 403,205,809 724,972,308 790,726,338 283,545,666 229,774,300 138,545,221 51,207,736
Totals	22,216	666,531	777, 291, 217	2,029,670,813	1,755,386,937	3,883,446,116
10005	20,210	000,552	,,			
1933						
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	5,916 4,496 1,740 7,891 1,334 478 770 696 459	25, 273 16, 975 15, 397	68,535,349 46,453,188 72,813,424 102,218,652 72,296,179 28,099,026 19,282,401 18,738,629 7,810,976	226, 879, 373 179, 429, 948 143, 184, 861 134, 663, 641 98, 793, 191 71, 990, 608 69, 077, 701 34, 271, 854 9, 497, 751	196, 820, 952 87, 629, 444 131, 065, 992 184, 233, 540 109, 198, 169 88, 427, 984 52, 817, 078 55, 394, 284 14, 083, 738	432, 315, 617 271, 068, 210 279, 475, 267 341, 336, 701 216, 828, 992 164, 765, 604 131, 325, 706 92, 820, 761 24, 138, 927
Totals	23,780	468,658	436, 247, 824	967, 788, 928	919, 671, 181	1,954,075,785
A U 001.5	70,100	222,000				

TABLE 18. Principal Statistics of the Manufacturing Industries, classified on the Chief Component Material Classification Basis, by Main Groups, Significant Years, 1917-592 - Concluded

Industrial group and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products
	nui	mber	dollars			1
1939		ł		1	1	T.
Vegetable products Animal products Textiles and textile products Total management of the products Tron and its products	5,872 4,362 1,930 8,538	99,447 69,358 121,022 144,782	104, 248, 785 68, 231, 871 107, 117, 035 165, 287, 455	356, 726, 153 333, 647, 306 203, 618, 197 246, 292, 820 262, 292, 781	292, 129, 840 122, 821, 410 181, 927, 898 303, 662, 441	659, 624, 014 461, 983, 262 392, 657, 759 579, 892, 183
Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	1,394 526 809 808 566	121,041 44,563 23,026 22,595 12,280	158, 559, 728 59, 684, 858 30, 067, 934 31, 567, 558 13, 045, 929	262, 292, 781 242, 063, 177 107, 979, 292 65, 230, 839 18, 308, 810	275, 774, 796 155, 808, 806 85, 511, 631 89, 046, 832 24, 368, 247	553, 468, 880 416, 060, 459 208, 166, 781 159, 536, 984 43, 393, 206
Totals	24, 805	658, 114	737, 811, 153	1,836,159,375	1,531,051,901	3, 474, 783, 528
1944						
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	5,941 4,388 2,481 10,452 2,192 635 748 981 665	130,679 94,195 153,122 189,674 411,944 104,314 31,590 81,822 25,542	183, 943, 948 129, 215, 389 195, 805, 681 284, 436, 559 818, 452, 454 182, 909, 292 56, 130, 338 137, 422, 977 41, 304, 732	763,606,750 835,586,247 419,988,642 497,656,158 1,104,083,922 549,317,062 234,714,319 360,412,749 66,967,507	485, 551, 491 246, 064, 720 351, 186, 488 550, 826, 986 1, 390, 703, 087 399, 498, 519 152, 525, 053 355, 260, 598 84, 159, 068	1, 270, 518, 297 1, 092, 015, 647 781, 771, 688 1, 093, 725, 822 2, 540, 992, 974 992, 345, 975 416, 268, 879 733, 569, 232 152, 484, 005
Totals	28,483	1, 222, 882	2,029,621,370	4,832,333,356	4,015,776,010	9, 073, 692, 519
1949						
Vegetable products Animal products Textiles and textile products Wood and paper products Iron and its products Non-ferrous metal products Non-metallic mineral products Chemicals and allied products Miscellaneous industries	5, 903 4, 231 3, 234 15, 866 2, 658 897 1,097 1,022 884	143,032 102,657 186,328 262,835 265,474 100,614 42,691 40,499 27,077	285, 536, 723 197, 189, 519 342, 930, 642 579, 896, 808 678, 924, 105 251, 869, 627 104, 377, 854 98, 568, 559 52, 596, 820	1, 236, 409, 496 1, 158, 872, 220 669, 108, 586 1, 061, 229, 176 1, 197, 956, 715 749, 678, 627 469, 437, 193 238, 377, 149 62, 161, 902	754, 329, 727 369, 545, 771 606, 402, 697 1, 184, 539, 519 1, 219, 303, 992 558, 467, 028 261, 691, 705 279, 038, 860 97, 247, 135	2,020,565,833 1,543,930,584 1,290,314,474 2,325,304,849 2,468,376,349 1,353,329,383 780,188,518 536,156,674 161,426,636
Totals	35, 792	1, 171, 207	2,591,890,657	6,843,231,064	5, 330, 566, 434	12, 479, 593, 300
19541						
Vegetable products Animal products Textiles and textile products Wood and paper products Fron and its products Fron-ferrous metal products Non-metallic mineral products Demicals and allied products Miscellaneous industries	5,825 3,689 3,407 17,198 3,166 1,030 1,264 1,104 1,345	145,842 100,352 169,465 287,317 304,728 125,569 52,788 50,935 30,970	400, 492, 625 259, 157, 349 391, 920, 356 881, 030, 481 1, 078, 530, 027 440, 700, 922 184, 530, 804 174, 849, 466 85, 475, 661	1,459,144,653 1,310,727,221 723,169,806 1,561,744,936 1,808,728,716 1,114,549,500 770,531,901 391,963,368 101,297,453	1,067,282,575 480,458,187 632,435,702 1,763,010,994 1,777,079,766 949,893,993 615,324,067 467,919,639 148,719,214	2,563,927,081 1,813,185,823 1,378,303,384 3,430,311,344 3,651,360,402 2,127,716,961 1,456,119,348 882,604,171 250,998,990
Totals	38,028	1, 267, 966	3, 896, 687, 691	9, 241, 857, 554	7, 902, 124, 137	17, 554, 527, 504
1959²						
Vegetable products Animal products Pextiles and textile products Wood and paper products Fron and its products On-ferrous metal products Non-metallic mineral products Themicals and allied products Miscellaneous industries	5,736 3,659 3,062 14,951 3,666 1,076 1,363 1,127 1,553	149, 143 111, 314 166, 995 293, 722 304, 801 125, 908 60, 124 54, 157 37, 792	522, 262, 289 369, 907, 689 463, 828, 087 1, 132, 045, 606 1, 387, 478, 094 553, 585, 058 272, 550, 174 240, 364, 412 131, 052, 297	1,749,877,282 1,821,569,700 889,974,654 1,969,911,856 2,600,680,601 1,577,850,682 1,177,111,722 580,376,714 184,847,332	1, 424, 091, 920 659, 817, 208 791, 129, 616 2, 186, 733, 026 2, 470, 209, 871 1, 167, 164, 118 684, 501, 142 691, 565, 402 245, 750, 578	3, 230, 075, 138 2, 514, 919, 044 1, 688, 475, 623 4, 290, 656, 349 5, 085, 234, 191 2, 787, 915, 331 1, 962, 245, 129 1, 320, 533, 902 431, 546, 774
Totals	36, 193	1, 303, 956	5, 073, 073, 706	12, 552, 200, 543	10, 320, 962, 881	23, 311, 601, 481

In 1952 the basis of collection was changed from "Value of products made" to "Value of factory shipments".
 Due to the adoption of the revised Standard Industrial Classification which introduced changes in the composition of many key industries, it has become extremely difficult to compile statistics for 1960 on a chief component material classification basis.

Subsection 3. Manufactures Classified by Origin of Materials

The distinction made between farm materials of Canadian and foreign origin is based on whether the materials are indigenous to Canada rather than on their actual source. Thus, the industries included in the foreign origin classes are those depending upon materials that cannot be grown in Canada, such as tea, coffee, spices, cane sugar, rice, rubber, cotton, etc. Industries included in the Canadian origin classes may, however, be using large quantities of imported materials.

The mineral origin group includes, in addition to nonferrous metals so largely produced in Canada, the manufactures of iron and steel, or petroleum, and of other mineral substances, the raw materials for which are very largely imported. Products of mineral origin, with the exception of fuels, are nearly all durable goods. A high standard of living and advanced industrial organization is usually indicated by relatively large production and consumption of mineral products. During periods of depression when the production of capital goods is curtailed. employment in the industries of the farm group, which produce mainly consumer goods, exceeds that of the mineral group. The industries of the mineral group in 1943, at the maximum of the war effort, had by far the greatest capital investment, employed the largest number of persons, and paid out the highest amount in salaries and wages. In 1943 the average capital per employee amounted to \$5,441 for the mineral group as compared with \$4,417 for the farm origin group. The mineral group also pays the highest wages. In 1960 the average salary and wage was \$4,658 for the mineral group and \$3,417 for the farm origin group.

TABLE 19. Principal Statistics of the Manufacturing Industries, classified according to Origin of Material Used, by Main Groups, Significant Years 1924-60

of Material Used, by Main Groups, Significant Years 1924-60								
Year and origin	Estab- lishments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Gross value of products		
	No.	\$	No.		dollars			
1924								
Farm origin Mineral origin	8,663 2,806	772, 791, 471	152, 488 136, 837	153, 213, 763 171, 068, 497	716,047,892 349,800,585	1,099,279,665 700,002,097		
Forest origin Marine origin	6, 873 836	876, 149, 932 20, 304, 785	126, 907 11, 157	147, 719, 245 3, 344, 348	245, 183, 429 16, 089, 332	544, 282, 597 26, 637, 962		
Wild life origin Mixed origin	226 1,305	10, 837, 249 204, 716, 127	2,944 57,277	3, 194, 213 55, 927, 609	7, 506, 169 101, 563, 384	13, 386, 266 200, 718, 177		
Grand totals	20, 709	2,895,317,508	487, 610	534, 467, 675	1, 436, 190, 791	2, 584, 306, 7641		
Farm origin group: From field crop	4, 595	525, 717, 571	89,436	87, 789, 237	433, 443, 376	691, 513, 259		
From animal husbandry	4, 068	247, 073, 900	63,052	65, 424, 526	282, 604, 516	407, 766, 406		
Totals, farm origin `	8,663	-772, 791, 471	152,488	153, 213, 763	716, 047, 892	1,099,279,665		
Canadian origin	8,379 284	546, 231, 949 226, 559, 522	114, 514 37, 974	119, 217, 657 33, 996, 106	553, 357, 883 162, 690, 009	848, 236, 237 251, 043, 428		
1929								
Farm origin	9,041	969, 384, 866	181,682	188, 306, 755 304, 027, 803	852, 606, 083 678, 683, 203	1,396,769,569 1,392,499,868		
Mineral origin Forest origin	3, 219 7, 353	1,550,662,908 1,148,558,242	218, 879 163, 863	191,044,307	313,088,964	722, 269, 066		
Marine origin	730 234	28, 644, 442 14, 338, 686	16,367 3,767	5,411,855 4,783,323	21, 496, 859 12, 847, 817	20,861,039		
Mixed origin	1, 639 22, 216	293, 302, 865 4, 004, 892, 009	81,973 666,531	83, 717, 174 777, 291, 217	150, 947, 887 2, 029, 670, 813	316, 080, 314 3, 883, 446, 116		
Grand totals	22,210	4,004,652,005	000, 001	111,231,211	2,020,010,010	0,000,110,110		
Farm origin group:	5, 191	697, 206, 163	114, 236	115, 201, 292	496, 842, 580	889,075,246		
From field cropsFrom animal husbandry	3, 850	272, 178, 703	67, 446	73, 105, 463	355, 763, 503	507, 694, 323		
Totals, farm origin	9,041	969, 384, 866	181,682	188, 306, 755	852, 606, 083	1,396,769,569		
Canadian originForeign origin	8, 743 298	708, 461, 549 260, 923, 317	134,680 47,002	140, 340, 993 47, 965, 762	682, 056, 026 170, 550, 057	1, 106, 006, 184 290, 763, 385		
1933								
Farm origin	9,695	844, 582, 058 1, 306, 641, 651	158,602 130,565	137, 711, 749 138, 101, 092	454, 882, 704 271, 434, 337	791, 956, 470 601, 428, 003		
Mineral origin	7, 796	882, 445, 602	102,807	99, 046, 012 2, 287, 385	133, 550, 374 10, 960, 289	335, 886, 257 17, 380, 323		
Marine origin	620 335	15, 532, 775 10, 507, 157	4, 064 3, 498	3,481,885	7, 159, 079	13, 000, 927 194, 423, 805		
Mixed origin Grand totals	1, 795 23, 780	219, 550, 595 3, 279, 259, 838	69, 122 468, 658	55, 619, 701 436, 247, 824	967, 788, 928	1, 954, 075, 785		
Grand totals	201 100	0,2,0,20,000	100,000					
Farm origin group: From field crops	5,746	609, 044, 529	93, 433	81,655,182	263, 007, 043	494,048,930		
From animal husbandry	3, 949	235, 537, 529	65, 169	56, 056, 567	191, 875, 661	297, 907, 540		
Totals, farm origin	9,695	844, 582, 058	158, 602	137, 711, 749	454, 882, 704	791, 956, 470		
Canadian origin	9,373 322	629, 450, 643 215, 131, 415	124, 547 34, 055	107, 807, 386 29, 904, 363	365, 559, 776 89, 322, 928	620, 197, 449 171, 759, 021		
1939								
Farm origin		952, 929, 892	220, 210	217, 724, 965		1, 289, 993, 021		
Mineral origin Forest origin	3, 474 8, 430	1, 498, 265, 618 951, 016, 933	210, 752 142, 091	280,054,303 160,798,500	669, 728, 573 244, 944, 997	1, 321, 444, 094 572, 335, 960		
Wild life origin	523 384	21, 479, 200 14, 723, 743	5, 369 4, 604	3, 638, 794 5, 396, 623	18, 114, 698 11, 592, 066	28, 816, 536 19, 961, 526		
Mixed origin	1,791	208, 609, 063	75, 088	70, 197, 968	113, 528, 916	242, 232, 391 3, 474, 783, 528		
Grand totals	24, 805	3,647,024,449	658, 114	737, 811, 153	1,836,159,375	3,412, (83, 328		
Farm origin group:	2.00	040 740 450	104 800	100 011 000	410 004 401	750 064 066		
From field cropsFrom animal husbandry	6,096 4,107	649, 746, 486 303, 183, 406	124, 708 95, 502	126,311,033 91,413,932	410, 994, 461 367, 255, 664	759, 964, 866 530, 028, 155		
Totals, farm origin	10, 203	952, 929, 892	220, 210	217, 724, 965	778, 250, 125	1,289,993,021		
Canadian origin	9, 382	699, 345, 423	171,460	168, 260, 771	630, 779, 223	1,011,294,132		
Foreign origin	821	253, 584, 469	48,750	49, 464, 194	147, 470, 902	278, 698, 889		

¹ See footnote at end of table.

TABLE 19. Principal Statistics of the Manufacturing Industries, classified according to Origin of Material Used, by Main Groups, Significant Years 1924-60 - Concluded

of Material Used, by Main Groups, Significant Years 1924 - 60 - Concluded								
Year and origin	Estab- lishments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Gross value of products		
	nu	mber		do	llars			
1944					1	1		
Farm origin Mineral origin	10,329	287,756	394, 716, 309	1,781,014,374 2,258,796,792	870, 995, 104	2,688,731,415		
Forest origin	4,479 10,347	634, 542 186, 680	1,208,779,764 278,171,969	2, 258, 796, 792 495, 531, 476	870, 995, 104 2, 312, 260, 844 541, 521, 976	4,708,104,244		
Marine origin Wild life origin	535 535	9,664	10,327,695	45, 906, 542	22, 066, 801	1,082,160,284 68,882,879 43,985,177		
wixed origin	2,258	6, 190 98, 050	9,430,191 128,195,442	28,076,572 223,007,600	15,728,926 253,202,359	43, 985, 177 481, 828, 520		
Grand totals	28, 483	1, 222, 882	2, 029, 621, 370	4, 832, 333, 356	4,015,776,010	9,073,692,519		
Form origin groups								
Farm origin group: From field crops	6,307	164 514	226, 751, 705	000 405 010	500 040 000			
From animal husbandry	4,022	164,514 123,242	167, 964, 604	888, 435, 918 892, 578, 456	563, 349, 320 307, 645, 784	1,477,008,962 1,211,722,453		
Totals, farm origin	10, 329	287,756	394, 716, 309	1, 781, 014, 374	870,995,104	2, 688, 731, 415		
Canadian origin	9,493	225,077	303, 293, 749	1 507 501 000				
Foreign origin	836	62,679	91, 422, 560	1,507,501,822 273,512,552	668, 958, 344 202, 036, 760	2, 202, 655, 904 486, 075, 511		
					, ,	200,010,011		
1949								
Farm origin	10,023	312,573	608, 297, 050	2,664,102,189	1,327,990,992	4,042,745,891		
Mineral origin Forest origin	5,936 15,467	453,960 255,671	1,147,317,944 562,316,999	2,652,631,878 1,051,100,174	2,315,722,610	5 133 084 333		
Forest origin Marine origin	599	11,856	16,969,825	69,090,041	1, 158, 202, 397 41, 140, 022	2,288,386,108		
Wild life origin Mixed origin	663 3, 104	8,370 128,777	18,008,212 238,980,627	38, 475, 825 367, 830, 957	28, 844, 758 458, 665, 655	2,288,386,108 111,961,148 67,646,428 835,769,392		
Grand totals	35, 792	1, 171, 207	2, 591, 890, 657	6,843,231,064	5, 330, 566, 434	12, 479, 593, 300		
				-,,,	0,000,000,101	24, 213, 000, 000		
Farm origin group:								
From field crops	6,165 3,858	175,715 136,858	348, 944, 897 259, 352, 153	1,414,938,794 1,249,163,395	863,950,508 464,040,484	2,313,027,879		
Totals, farm origin	10,023	312,573	608, 297, 050	2, 664, 102, 189	1, 327, 990, 992	1,729,718,012 4,042,745,891		
					2,021,000,000	2,020,120,031		
Canadian origin Foreign origin	9, 204 819	247, 762 64, 811	473, 274, 682 135, 022, 368	2,289,435,804 374,666,385	1,041,245,310	3, 369, 356, 461		
	010	01,011	100,022,000	314,000,303	286,745,682	673, 389, 430		
1954²								
Farm origin	9,542	301,661	791.390.838	3,010,857,496	1,735,120,378	4 919 467 900		
Mineral origin Forest origin	6,854	539,830 280,573	1, 902, 255, 686	4,083,393,939 1,547,843,710	3 808 242 171	4,812,467,809 8,113,391,979		
Marine origin	16,823 586	14, 202	791,390,838 1,902,255,686 857,047,039 26,001,277	95, 632, 683	1,727,150,805	3,380,340,406 153,456,535		
Wild life origin Mixed origin	598 3,625	6,431 125,269	17, 348, 494 302, 644, 357	95, 632, 683 37, 022, 130 467, 107, 596	1,727,150,805 55,219,381 26,595,921 549,795,481	153, 456, 535 64, 099, 781 1,030, 770, 994		
Grand totals	38,028	1, 267, 966	3,896,687,691	9,241,857,554	7, 902, 124, 137	17, 554, 527, 504		
		,		0,112,001,001	1,000,101,101	11,001,001,001		
Farm origin group:								
From field crops From animal husbandry	6,135 3,407	173, 171 128, 490	468,666,325 322,724,513	1,631,251,171 1,379,606,325	1,170,756,138 564,364,240	2,845,128,473 1,967,339,336		
Totals, farm origin	9,542	301,661	791, 390, 838	3, 010, 857, 496	1, 735, 120, 378	4,812,467,809		
						2,020, 201,005		
Canadian origin Foreign origin	8,612	242, 239 59, 422	624,181,936 167,208,902	2,617,517,447 393,340,049	1,377,694,249 357,426,129	4,041,115,667		
3333		00, 122	101, 200, 302	330, 340, 043	331,420,123	771, 352, 142		
1960²								
Farm origin	9,878	314, 238	1,073,736,685	3,912,073,321	2 201 602 260	6 246 620 104		
Mineral origin	7,596	525,526	2,447,984,283	5, 836, 153, 285	2,381,692,269 4,904,327,606	6,346,630,104 11,040,376,612 4,367,567,910		
Forest origin Marine origin	13,472	284, 354 13, 357	1, 155, 127, 817 29, 717, 560	2,010,190,838 1 103,863,226	2, 222, 320, 904 53, 004, 983	4,367,567,910 169,529,913		
wild life Origin	508	5, 108	18, 487, 377	37,739,105	30, 124, 268	67,790,259		
Mixed origin Grand totals	4, 826 36, 682	152,046 1,294,629	482, 113, 671 5, 207, 167, 393	805, 051, 045 12, 705, 076, 820	941, 738, 964 10, 533, 208, 994	1,755,562,285		
Claric SURIS	30,000	1, 201, 020	0, 201, 201, 333	100,010,020	10, 000, 200, 994	23, 747, 457, 083		
Farm origin group:								
From field crops	6, 124	173,552 140,686	615, 867, 227	1,987,652,199	1,607,948,456	3,624,138,419		
From animal husbandry Totals, farm origin	3,754 9,878	314, 238	457, 869, 458 1, 073, 736, 685	1, 924, 421, 122 3, 912, 073, 321	773, 743, 813	2,722,491,685		
- Osazo, ratio origin	0,010	01x, 400	2,010,100,000	OJOIN, OTO, ONI	~, 501, 052, 209	6, 346, 630, 104		
Canadian origin	8, 965	258, 758	870, 052, 344	3,437,852,097	1,929,868,553	5,417,305,297		
Foreign origin	913	55,480	203, 684, 341	474, 221, 224	451,823,716	929, 324, 807		

¹ For the year 1924 the figures for "Cost of materials" and "Gross value of products" include the value placed on intermediate products used in further processes in the chemical group of industries. For this reason these figures differ slightly from those contained in the other tables of this report, In 1952 the basis of collection was changed from "Value of products made" to "Selling value of factory shipments".

Subsection 4. Manufactures Classified by Type of Ownership

This section deals with the type of ownership under which Canadian manufactures operate. The first survey in 1946 did not include the fish-curing and packing industry, information for which was not available at that time. For this reason the figures for 1946 are not strictly comparable with those for succeeding years, although the inclusion of that industry has not materially altered the percentage distribution of individual ownership, incorporated companies, etc.

Of the 36,682 establishments operating in 1960, individual ownership numbered 13,840 establishments, partnerships, 3,793

incorporated companies 18,148 and co-operatives 901. The percentage distribution of the four categories of ownership are given below for the years 1946 to 1960. It is interesting to note that incorporated companies are becoming increasingly important, the percentage of the total number of establishments having risen from 33.4 in 1946 to 49.5 in 1960 while the other three categories declined in importance. This trend to incorporation is no doubt accentuated by the favourable income tax rate allowed companies on the first \$25,000 of income.

TABLE 20. Percentage Distribution of the Manufacturing Establishments of Canada, by Type of Ownership, 1946-60

Хея	Individual ownership	Partnerships	Incorporated companies	Co-operatives	
1946 (estimated)	47.3	16.0	33.4	3.3	
1947	46.4	16.1 16.4	34. 3 34. 4 35. 3	3. 2 3. 0 2. 9	
1949 1950	46.0 45.6 44.6	15.8 15.0 15.5	36. 3 36. 9	3. 1 3. 0	
1951	44.9	15 · 4 14 · 8	36.9 38.2	2.8 2.6	
1953	43.6 42.7	14. 3 13. 6	39.5 41.1	2.6 2.6	
1956	41. 4 40. 6	12.7 12.0	43. 4 44. 9	2. 5	
1958	39. 2 38. 4	11. 1	47.1	2.6	
1960	37.7	10.3	49.5	2. 5	

As is to be expected, the smaller establishments, regardless of the type of products manufactured, are carried on mainly under individual ownership or partnerships. Industries conducted on a small scale usually contain a large number of establishments in this category, the percentage decreasing as the scale of operation increases. As the above table shows, establishments under individual ownership comprised 37.7 p.c. of the total number engaged in manufacturing in 1960. Partnerships accounted for 10.3 p.c., incorporated companies 49.5 p.c. and co-operatives 2.5 p.c.

Of the 11,664 establishments with shipments of under \$25,000, 73.4 p.c. were individual ownership, 13.8 p.c. partnerships, 12.2 p.c. incorporated companies and .6 p.c. cooperatives, With the increase in size the importance of individual ownership as well as that of partnerships declines. In the case of incorporated companies, however, the opposite is true, As the size increases their numerical importance increases as the following table shows.

TABLE 21. Percentage Distribution of the Manufacturing Establishments of Canada by Type of Ownership and Size of Establishment, 1960

	Under	\$25,000 to	\$100,000 to	\$500,000
	\$25,000	\$99,999	\$499,999	and over
Establishments: Individual ownership Partnerships Incorporated companies Co-operatives Totals	73.4	43.0	10. 4	0.7
	13.8	15.3	6. 5	0.9
	12.2	39.4	78. 1	96.0
	0.6	2.3	5. 0	2.4
	100.0	100.0	100. 0	100.0
Employees: individual ownership Partnerships Incorporated companies Co-operatives Totals	66.7 15.9 16.7 0.7	37. 3 15. 1 46. 4 1. 2 100. 0	6. 2 5. 4 86. 4 2. 0 100.0	0. 2 0. 3 98. 7 0. 8 100.0
Factory shipments: Individual ownership Partnerships Incorporated companies Co-operatives Totals	68.7 14.7 15.8 0.8	38. 9 14. 9 43. 5 2. 7 100. 0	7. 5 5. 3 82. 4 4. 8 100. 0	0. 2 0. 3 98. 3 1. 2 100. 0

The establishments operating under individual ownership are not as important, from the point of view of employment provided, as their large numbers would indicate. According to Tables 22 and 23, these establishments which comprise 38 p.c. of the total have only 4 p.c. of the total employees. Partnerships accounted 10 p.c. of the number of establishments and 2 p.c. of the total employees. Incorporated companies with 50 p.c. of the number of establishments had 93 p.c. of the employees. Co-operatives with 2 p.c. of the establishments had 1 p.c. of the employees.

On the basis of employment provided, incorporated companies are, by a wide margin the most important factor in the

employment field. Rubber industries, paper and allied industries, electrical products, primary metal and transportation equipment had 99 p.c. of the total employees. Incorporated companies in chemicals, tobacco and machinery industries had 98 p.c., petroleum and coal products 97 p.c., textile and knitting mills 96 p.c., metal fabricating 95 p.c., non-metallic mineral and leather industries 94 p.c., miscellaneous industries 90 p.c., printing, publishing and allied industries 89 p.c., clothing 88 p.c., furniture and fixtures 85 p.c., and foods and beverages 83 p.c. Companies in the wood industries group with 80 p.c. reported the lowest percentage of the total employment

TABLE 22. Percentage Distribution of Establishments in the Manufacturing Industries classified by Type of Ownership, by Provinces and Industrial Groups, 1960

Province and group	Individual ownership	Partner- ships	Incorporated companies	Co- operatives	Total
			per cent		
Province					
Newfoundland	49.0	26.0	25.0		100.0
Prince Edward Island	49.5	15. 2	29.3	6.0	100.0
Nova Scotia	49.0	11.6	37.2	2. 2	100.0
New Brunswick	49.1	9.3	39.7	1.9	100.0
Ontario	43.0 32.0	8.5	44.6	3.9	100.0
Manitoba	32.0	10.5 11.2	56.1	1.4	100.0
Saskatchewan	46. 1	12.0	49. 4 35. 6	2.0	100.0
Alberta	35.6	11.9	49. 2	6.3 3.3	100.0
British Columbia	31.8	11.1	56. 1	1.0	100.0
Yukon and Northwest Territories	35.7	-	64. 3	-	100.0
Canada	37. 7	10.3	49.5	2.5	100.0
Industrial group					
Food and beverage industries	41.0	9.9	38.9	10. 2	100.0
Tobacco products industries	17. 5	1	75.0	7.5	100.0
Rubber industries	9.8	1	90.2		100.0
Leather industries	23. 4	7.2	69.4	-	100.0
Textile industries	25. 9	9.7	64.4	2	100.0
Knitting mills	13.8	7.7	78.5	2	100.0
Clothing industries	23.7	12. 4	63.9		100.0
Wood industries Furniture and fixture industries	58. 5 53. 1	14. 2	27.2	0.1	100.0
Paper and allied industries	6. 2	2. 2	91.6	-	100.0
Printing, publishing and allied industries	36.8	10.7	52. 2	0.3	100.0
Primary metal industries	12. 2	7.4	80.4	0.3	100.0
Metal industries (except machinery and transportation equipment			00.1		100.0
industries)	24.8	9.3	65.9	→	100.0
Machinery industries (except electrical machinery)	7.3	3.8	88.9	2	100.0
Transportation equipment industries	23. 4	8.6	68.0	-	100.0
Electrical products industries	5. 1	2. 2	92.7	-	100.0
Non-metallic mineral products industries	28.0	8.8	63. 2	2	100.0
Petroleum and coal products industries	4. 2	2.7	95.8		100.0
Miscellaneous manufacturing industries	41.5	10.0	84.9	0.3	100.0
and of the state o	41.0	10.0	40 - 0	_	100.0

TABLE 23. Percentage Distribution of Employment in the Manufacturing Industries classified by Type of Ownership, by Provinces and Industrial Groups, 1960

Province and group	Individual ownership	Partner- ships	Incorporated companies	Co- operatives	Total
			per cent		
Province					
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories	2.8 13.1 7.8 6.8 5.3 2.7 4.3 8.0 5.5 4.1	1.8 6.0 2.2 2.5 2.3 1.8 2.3 3.9 2.5 2.2	95. 4 72. 9 87. 9 89. 2 91. 4 95. 2 91. 9 75. 5 89. 5 91. 8	8.0 2.1 1.5 1.0 0.3 1.5 12.6 2.5	100. 0 100. 0 100. 0 100. 0 100. 0 100. 0 100. 0 100. 0 100. 0
Canada	4.1	2.0	92.9	1.0	100.0

Included with individual ownership.
 Included with incorporated companies.

TABLE 23. Percentage Distribution of Employment in the Manufacturing Industries classified by Type of Ownership, by Provinces and Industrial Groups, 1960- Concluded

Province and group	Individual ownership	Partner- ships	Incorporated companies	Co- operatives	Total
			per cent		
Industrial group Food and beverage industries Tobacco products industries Rubber industries Leather industries Textile industries Textile industries Knitting mills Clothing industries Wood industries Wood industries Furniture and fixture industries Paper and allied industries Printing, publishing and allied industries Primary metal industries Metal fabricating (except machinery and transportation equipment industries) Machinery industries (except electrical machinery) Transportation equipment industries Electrical products industries Non-metallic mineral products industries	7.6 0.8 0.2 3.9 2.1 2.3 5.8 14.2 10.1 0.2 6.6 0.3	3.1 1 2.0 1.2 1.7 6.2 4.8 4.9 0.2 3.1 0.2 2.0 1.0 0.3 0.3	83.8 98.4 99.8 94.1 96.7 96.0 88.0 80.7 85.0 99.6 89.6 89.5	5.5 0.8 	100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0
Petroleum and coal products industries Chemical and chemical products industries Miscellaneous manufacturing industries	2.6 0.8 6.5	0.2 2.9	97. 4 98. 9 90. 6	0.1	100.0 100.0 100.0

TABLE 24. Percentage Distribution of Employment in the Forty Leading Industries by Type of Ownership, 1960

No.	Industry	Individual ownership	Partner- ships	Incorporated companies	Co- operatives	Total
140.				per cent		
1 2 3 4 5	Fulp and paper mills Smelting and refining Petroleum refining Slaughtering and meat packing plants Motor vehicle manufacturers	0.9	- - 0.6	100.0 100.0 100.0 96.7 100.0	1.8	100.0 100.0 100.0 100.0 100.0
6 7 8 9	Iron and steel mills	19.9 - 6.4 0.5	6.5 4.4 1.4	100.0 73.2 100.0 78.4 98.1	10.8	100.0 100.0 100.0 100.0 100.0
11 12 13 14 15	Miscellaneous food manufacturers Bakeries Printing and publishing Metal stamping, pressing and coating industry Fruit and vegetable canners and preservers	1.3 22.3 4.3 4.2 3.6	0.5 7.0 1.5 —	98. 2 70. 3 94. 2 95. 8 91. 4	0.4 - 3.2	100.0 100.0 100.0 100.0 100.0
16 17 18 19 20	Aircraft and parts manufacturers Butter and cheese plants Motor vehicle parts and accessories manufacturers Freed manufacturers Women's clothing factories	0. 2 13. 0 0. 3 17. 0 2. 3	3.6 3.5.3 5.1	99.8 42.5 99.7 52.9 92.6	40.9	100.0 100.0 100.0 100.0 100.0
21 22 23 24 25	Men's clothing factories Breweries Printing and bookbinding Manufacturers of electrical industrial equipment Communications equipment manufacturers	11.0	4.4 6.0 3	93.6 100.0 81.5 99.9 99.6	1.5	100.0 100.0 100.0 100.0 100.0
26 27 28 29 30	Fabricated structural metal industry Sash and door and planing mills (excluding hardwood flooring) , Flour mills Synthetic textile mills Tobacco products manufacturers	12.1 1.6 0.9	4.1	100.0 83.8 98.4 100.0 99.1	1 -	100.0 100.0 100.0 100.0 100.0
31 32 33 34 35	Railroad rolling stock industry Cotton yarn and cloth mills Manufacturers of major appliances (electrical and non-electrical) Miscellaneous metal fabricating industries Wire and wire products manufacturers	0.1	1. 1 1. 6	100.0 99.9 100.0 97.6 96.6		100.0 100.0 100.0 100.0 100.0
36 37 38 39 40	Household furniture industry Paper converters, n.e.s. Rubber tire and tube manufacturers Distilleries Fish products industry	0.7	6. 2 0. 4 — — 1. 8		7.2	100.0 100.0 100.0 100.0 100.0

¹ Included with incorporated companies. ² Included with individual ownership.

¹ Included with individual ownership. ² Included with incorporated companies.

TABLE 25. Principal Statistics of the Manufacturing Industries of Canada and Each Province, grouped according to the Type of Ownership, 1960.

according to the Type of Ownership, 1960.											
Province	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments					
Control	n	umber		do	ollars						
Canada: Individual ownership	13,840	E0 007	107 740 444	1							
Fartnerships	0 700	26, 869	127, 719, 411 73, 790, 703	10, 293, 568 4, 791, 580	261, 603, 664 142, 016, 846	485, 538, 322					
Incorporated companies Cooperatives	18, 148	1, 202, 491	4, 967, 588, 259	540, 216, 478	12, 010, 812, 808	485, 538, 322 267, 716, 108 22, 623, 882, 747					
Totals		12, 382 1, 294, 629	38, 069, 020	5, 845, 681	290, 637, 502	310, 319, 906					
	00,000	1, 254, 029	5, 207, 167, 393	561, 147, 307	12, 705, 070, 820	23, 747, 457, 083					
Newfoundland: Individual ownership											
Partnerships	100	268 171	434, 710 295, 636	45, 323	1, 166, 910 566, 940	2, 063, 299					
meorporated companies	159	9,050	31, 972, 842	21, 407 6, 738, 776	566, 940	2, 063, 299 1, 097, 265 126, 124, 014					
Totals	635	9, 48 9	32, 703, 188	6, 805, 506	58, 903, 797	129, 284, 578					
Prince Edward Island:	}					4.51 46 21 616					
Individual ownership	91	237	417, 529	57, 830	1, 368, 144	2 244 460					
PartnershipsIncorporated companies	EA	108	193, 487	24, 163	453, 595	2, 244, 462 841, 728					
Cooperatives	11	144	3, 430, 658 213, 243	382, 200 15, 809	17, 479, 592 1, 918, 729	24, 813, 086					
Totals	184	1,806	4, 254, 917	480, 002	21, 220, 060	2, 332, 085 30, 231, 361					
Nova Scotia:					, 5,5,5,000	00, 201, 301					
Individual ownership	627	2, 241	3, 991, 809	422,050	10 042 104	10.000.000					
Partnerships	148 475	620	1, 131, 920	134, 299	10, 943, 164 4, 037, 928	18, 063, 228 6, 210, 449					
Cooperatives	28	25, 156 589	85, 940, 557 1, 215, 839	11, 668, 174 156, 939	200, 018, 951 5, 292, 798	374, 441, 909					
Totals	1, 27 8	28, 606	92, 280, 125	12, 381, 462	220, 292, 841	7, 466, 502					
New Brunswick;				, 002, 102	220, 232, 641	406, 182, 088					
Individual ownership	442	1,512	2, 682, 989	221 222	0.000						
Partnerships	84	558	1, 191, 291	331, 330 127, 107	8, 973, 643 2, 704, 669	14, 083 , 674 4, 887, 477					
Cooperatives	358 17	19,861	66,874,926 837,171	14, 626, 819 172, 224	189, 593, 779 7, 840, 978	348, 088, 776					
Totals	901	22, 267	71, 586, 377	15, 257, 480	209, 113, 069	10, 050, 219					
Quebec:			,,,	20, 401, 400	203, 113, 003	377, 110, 146					
Individual ownership	5, 154	23, 048	53, 045, 133	2 020 000							
Partnerships	1,013	10, 157	27, 231, 720	3,930,800 1,406,229	118, 136, 542 52, 773, 176	212, 201, 489 98, 818, 638					
Cooperatives	5,333	396, 518 4, 226	1, 529, 225, 059 10, 812, 562	1, 406, 229 172, 261, 100 1, 771, 663	3,600,059,544	6, 761, 669, 122					
Totals	11, 961	433, 949	1, 620, 314, 474	179, 369, 792	110, 203, 565	133, 406, 754					
Ontario;			2,000,022,212	110, 303, 132	3, 881, 172, 827	7, 206, 096, 003					
Individual ownership	4, 277	16, 424	44 760 001	0.540.000							
Partnerships	1, 409	10,551	44, 760, 821 31, 184, 269	3, 543, 863 2, 014, 253	84, 380, 332 58, 113, 773	161, 611, 639 110, 522, 131					
Incorporated companies Cooperatives	7,509 192	574, 534 1, 958	2, 503, 436, 444 6, 295, 019	245, 613, 153 1, 095, 575	5, 933, 597, 451	11, 350, 126, 188					
Totals	13, 387	603, 467	2, 585, 676, 553	252, 266, 844	49, 935, 721 6, 126, 027, 277	63, 415, 694					
Marthala			.,	202, 200, 044	0, 120, 021, 211	11, 685, 675, 652					
Manitoba: Individual ownership	596	1,812	4 220 150	200 000	B 040 000						
Partnerships	178	953	4, 339, 150 2, 531, 646	380, 076 153, 002	7, 848, 307 4, 451, 342	15, 361, 481 8, 625, 824					
Incorporated companies	786 32	38, 925 649	145, 489, 682	13, 472, 159 255, 408	393, 871, 518	696, 815, 888					
Totals	1, 592	42, 339	154, 263, 811	14, 260, 645	13, 412, 264 419, 583, 431	17, 654, 153					
Saskatchewan:				21, 500, 010	110,000,401	738, 457, 346					
Individual ownership	409 106	1,030 507	2, 542, 262	235, 868	3, 460, 912	7, 919, 283					
micorporated companies	316	9,754	1, 245, 023 39, 773, 991	128, 601 8, 143, 639	2, 926, 366 167, 407, 121	5, 374, 404 274, 248, 886					
Cooperatives	56	1, 627	6, 202, 990	1, 210, 415	41,610,449	57, 230, 688					
	887	12, 918	49, 764, 266	9, 718, 523	215, 404, 848	344, 773, 261					
Alberta: Individual ownership	657	2, 141	5, 255, 630	440.046	0.000						
Partnerships	219	995	2,648,575	442, 010 245, 496	8,800,695 5,652,254	18, 227, 359 10, 474, 620					
Incorporated companies	910 62	35, 051 970	145, 329, 740 3, 105, 583	17, 615, 106 355, 626	485, 371, 242	830, 699, 169					
Totals	1, 848	39, 157	156, 339, 528	18, 658, 238	25, 084, 725 524, 908, 916	30, 256, 652					
British Columbia:				22, 230, 403	0.71, 0.00, 0.10	88 9, 657, 800					
Individual ownership	1, 271	4, 158	10, 194, 525	900, 939	16, 481, 479	33, 607, 636					
Partnerships	2, 240	2, 249 92, 223	6, 137, 136 415, 565, 764	537, 023	10, 336, 802	20, 863, 572					
Cooperatives	41	1,877	7, 471, 226	49, 513, 143 806, 472	964, 988, 347 35, 192, 344	1, 834, 134, 668 48, 311, 754					
Totals	3, 995	100, 507	439, 368, 651	51, 757, 577	1, 026, 998, 973	1, 936, 917, 630					
Yukon and Northwest Territories:											
Individual ownership	5	16	54,853	3, 479	43,536	154, 772					
Totals	9	108	560, 650	187, 759	1,401,245	2, 916, 446					
	1.5	17.4	615, 503	191, 238	1, 444, 781	3, 071, 218					

TABLE 26. Principal Statistics of the Manufacturing Industries of Canada classified by Industrial Groups and by Type of Ownership, 1960

	anu v	y Type di o	micromap, 2000			
Industrial group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		dolla	rs	
- 1 - 1 house or industries			1	1	1	
Food and beverage industries: Individual ownership	3,476	15,174	33,942,475	5,044,828	124,684,024	188,960,731
Partnerships	840	6,146	15,693,845 618,926,478	2,121,623 58,619,663	55,687,681 2,669,514,278	85,649,566 4,270,867,829
Incorporated companies	3,302 870	166,367	32,421,016	5,004,704	268,314,348	334,815,526
Totals	8, 488	198,611	700, 983, 814	70, 790, 818	3,118,200,331	4,880,293,652
Totals ,	0) 200	100,011	100,000,011	,		
Tobacco products industries:	0.0	0 500	07 005 075	954,992	214,115,590	331,609,936
Incorporated companiesCooperatives	30	9,572	37,965,075 194,405	6,624	1,613,672	1,822,960
Other ownership	7	79	195,003	13,651	624,968	980,739
Totals	40	9,731	38, 354, 483	975, 267	216, 354, 230	334,413,635
Rubber industries: Incorporated companies	83	20,278	84,438,304	5,217,639	152,603,802	322,852,755
Other ownership	9	33	87,215	4,200	56,496	200,363
Totals	92	20,311	84, 525, 519	5, 221, 839	152,660,298	323,053,118
			į			
Leather industries: Individual ownership	142	1,191	3,073,305	72,496	4,637,783	9,412,664
Partnerships	44	597	1,458,249	26,459 2,167,038	2,294,932 127,503,892	4,677,300 254,024,345
Incorporated companies	422	28,636	79,387,401			268, 114, 309
Totals	608	30,424	83,918,955	2,265,993	134, 436, 607	200, 114, 303
Textile industries:						
Individual ownership	239	1,273	3,148,128	128,593	4,068,261 3,545,315	9,514,152 6,888,090
Partnerships	90 595	741 59,742	1,944,615 201,407,477	90,725 14,723,082	422,948,206	794,120,691
Incorporated companies	924	61,756	206,500,220	14, 942, 400	430,561,782	810, 522, 933
Totals	564	01, 130	200, 300, 220	11,510,100	200,002,100	
Knitting mills:				0.4 550	0 100 170	E 720 620
Individual ownership	50 28	490 344	1,171,601 878,373	34,779 17,101	3,199,170 1,810,385	5,220,628 3,174,681
PartnershipsIncorporated companies	284	19,931	52,000,952	1,699,788	99,076,011	3,174,681 189,764,685
Totals	362	20,765	54,050,926	1,751,668	104.085,566	198, 159, 994
Clothing industries: Individual ownership	566	5,003	10.677,276	220,985	14,618,344	30,717,687
Partnerships	297	5,418	14,043,239	178,760	20,045,046 368,068,808	41,428,413 698,322,389
Incorporated companies	1,528	76,454	202,493,366	2,632,938	402, 732, 198	770, 468, 489
Totals	2,391	86, 875	227, 213, 881	3, 032, 683	402, 132, 136	110, 400, 403
Wood industries:						400 740 000
Individual ownership	4,383	12,122	22,797,804 8,566,366	2,284,231 801,120	59,340,779 19,243,532	102,748,020 35,113,105
Partnerships	1,063 2,036	4,056 68,784	251,190,948	15,012,177	517,448,777	926,610,118
Cooperatives	8	300	966,299	72,156	2,098,125	3,570,284
Totals	7,490	85, 262	283, 521, 417	18, 169, 684	598, 131, 213	1,068,041,527
Furniture and fixture industries: Individual ownership	1,115	3,443	9,402,898	413,957	10,295,410	24,753,376
Partnerships	257 727	1,677	4,946,678	171,826	7,230,037 148,743,314	14,656,389 308,571,059
Partnerships		29,086	98,310,811	3,215,422	166, 268, 761	347, 980, 824
Totals	2, 099	34, 206	112,660,387	3, 801, 205	100,200,101	341,300,021
Paper and allied industries:						0 404 416
Individual ownership	36	212	558,312	22,245 15,818	1,153,155 1,125,339	2,131,110 1,649,682
Partnerships	13 532	95,073	415,034 457,650,919	115,967,235	977,594,145	2,124,326,405
Incorporated companies	581	95,433	458,624,265	116,005,298	979, 872, 639	2, 128, 107, 19
Totals	301	00,100	200,000,000			
Printing, publishing and allied industries: Individual ownership	1,274	4,843	15,713,409	508,482	13,190,791	40,595,089
Partnerships	371	2,319	7,606,478	198,466	6,195,736 254,392,712	18,255,858 804,079,233
Incorporated companies	1,808	66,149	298,008,841 1,459,293	5,605,516 31,396	1,066,847	3,000,550
Cooperatives	3,462	73,694	322, 788, 021	6,343,860	274,846,086	865, 930, 72
Totals	3,20%	10,004	0.011001041	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Primary metal industries:	51	257	637,518	51,116	681,664	1,609,75
Individual ownership	31	220	834,697	150,174	2,391,367	3,864,23
Incorporated companies	336	89,548	453,110,321	101, 284, 472	1,595,192,399	2,737,046,04
Totals	418	90,025	454, 582, 536	101, 485, 762	1,598,265,430	2, 742, 520, 03
Metal fabricating (except machinery and trans-						
portation equipment industries):	m. A	0.085	0 000 105	583,066	8,692,610	24,203,70
Individual ownership	719 268	2,975	9,068,165 6,834,101	380,662	7,931,805	18,884,48
					646,054,662	1,389,816,61
PartnershipsIncorporated companies	1,909	93,549	412,836,115	18,150,437	662, 679, 077	1, 432, 904, 80

TABLE 26. Principal Statistics of the Manufacturing Industries of Canada classified by Industrial Groups and by Type of Ownership, 1960 - Concluded

Industrial group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments		
	nun	nber		dollars				
fachinery industries (except electrical ma-					1	1		
chinery); Individual ownership	39	247	77FF 046	40.40				
Partnerships	20	459	777,946 1,948,688	46, 410 53, 216	868,965 5,682,839	1,926,67 10,021,39		
Incorporated companies	474	42,789	196, 701, 048	6,671,964	292,520,081	630, 510, 89		
Totals	533	43,495	199, 427, 682	6,771,590	299, 071, 885	642, 458, 96		
ransport equipment industries:								
Individual ownership Partnerships	161 59	564 294	1, 400, 208	74, 230	1,662,776	4, 135, 96		
Incorporated companies	467	108, 559	916, 602 516, 035, 976	29, 073 20, 195, 876	905, 317	2, 262, 33 1, 994, 290, 94		
Totals	687	109,417	518, 352, 786	20, 299, 179	1,096,084,723	2,000,689,24		
Electrical products industries:				,,	2,000,002,140	~,000,000,00		
Individual ownership	28	126	382,031	18,448	695, 624	1, 268, 23		
Partnerships	12 508	174	586, 903	35, 524	1,031,878	2, 273, 63		
Totals	548	78,348	347, 619, 293	11,656,695	544, 268, 114	1, 172, 424, 36		
	940	78, 648	348, 588, 227	11,710,667	545,995,616	1,175,966,23		
Ion-metallic mineral products industries: Individual ownership	0.50	4 005	0 448 046	004 004				
Partnerships	373 117	1, 395 770	3, 447, 815 2, 137, 552	381, 027 375, 856	3, 853, 062 2, 076, 595	10,578,88		
Incorporated companies	841	39, 441	167,852,733	46,945,976	224, 820, 681	630,573,33		
Totals	1, 331	41, 606	173,438,100	47, 702, 859	230, 750, 338	647,461,58		
etroleum and coal products industries:								
Incorporated companies	92	14, 134	83,334,382	49, 382, 440	860,914,944	1, 177, 815, 94		
Other ownership	4	379	2, 112, 529	689, 263	12,718,666	20, 151, 81		
Totals	96	14,513	85,446,911	50,071,703	873, 633, 610	1,197,967,75		
hemical and chemical products industries: Individual ownership								
Partnerships	138	427 113	1, 138, 508 275, 601	71, 433 16, 576	1,826,116 396,735	3,690,74 899.54		
Incorporated companies	970	53,674	251, 606, 891	54,789,020	577, 368, 330	1, 364, 673, 22		
Cooperatives	4	55	210, 119	16, 932	3, 251, 853	4, 203, 04		
Totals	1,143	54, 269	253, 231, 119	54, 893, 961	582,843,034	1,373,466,54		
iscellaneous manufacturing industries:								
Individual ownership Partnerships	1,034	3,065 1,362	10, 196, 204 4, 540, 003	319,586 105,919	7, 513, 700	23,060,80		
Incorporated companies	1,210	42,656	157, 483, 556	5, 371, 201	4,036,380	10,990,88 504,883,82		
Totals	2,493	47,083	172,219,763	5, 796, 706	237, 597, 396	538, 935, 51		

Subsection 5. Leading Manufacturing Industries

In the following statement, the rank of the ten leading industries in 1959, from the standpoint of gross value of production or value of shipments is compared with their respective ranks in significant years since 1922.

- 1	Rank in							
Industry	1959	1949	1944	1939	1933	1929	1922	
Pulp and paper	1	1	5	2	1	1	2	
Non-ferrous metal smelting and refining	2	3	2	1	2	9	1	
Petroleum products ²	3	5	14	6	6	10	9	
Slaughtering and meat packing	4	2	1	3	3	2	3	
Motor vehicles	5	4	7	5	11	4	6	
Primary iron and steel	6	8	13	11	31	16	20	
Sawmills	7	6	11	8	14	5	4	
Butter and cheese	8	7	10	4	5	6	5	
Miscellaneous electrical apparatus and supplies	9	19	3	3	3	3	3	
Sheet metal products	10	23	24	20	26	24	23	

¹ Did not rank among the forty leading industries.
² The drop to third position in 1959 was due to a change in method of valuation which reduced the value of production by about \$268 million.
On the old basis of valuation this industry still ranked second in 1959.
³ This industry was not classified separately but was included with electrical apparatus and supplies.

A prominent feature of Canadian Manufacturing development during the past twenty-five years has been the rapid growth of non-ferrous metal smelting. This industry, based upon the rich base-metal resources of the country, has taken its place among the leading manufactures, along with the industries based upon forest, agricultural and live-stock resources. Another feature of this development in manufacturing production is the rise of the petroleum products industry from fourteenth place in 1944 to second place since 1958. This is the direct result of the recent discoveries and development of the large oil resources of the Prairie Provinces and the rapid industrialization of Canada during the past decade.

The incidence of the depression resulted in a re-arrangement of the ranking of many industries which in some cases has proved to be temporary. During the war, the industries engaged in producing the equipment needed by the armed forces, such as shipbuilding, aircraft, automobiles, miscellaneous chemical products, and primary iron and steel, advanced to higher positions. When the war ended, the industries engaged in the production of consumer goods, by reason of the expanded demand for their products, bettered their position. Pulp and paper, after a lapse of a number of years, resumed its premier position.

The impetus given to Canadian manufacturing production by the Korean war is reflected in the advance of the aircraft industry to ninth position. This industry which did not rank among the forty leading industries before World War II was in fourth place in 1944 and seventeenth place in 1959. The shipbuilding industry also bettered its position as a result of the defence program occasioned by the Korean war. This industry which did not rank among the forty leading industries in 1949 advanced to thirty-fourth place in 1952 and 1954. With the slackening in defence spending, operations declined with the result that since 1955 this industry, again, does not rank among the forty leading industries.

The change over from war to peace-time production which was completed by about 1949 was accompanied by some major changes in the ranking of the leading industries. The minor recession experienced in 1954 also had its impact on the ranking of the leading industries for several years, but with the recovery which followed, the ranking of the industries resumed a more normal pattern. For the decade 1949-1959, the volume of the durable goods industries advanced by 49.0 p.c. as compared with 48.8 for non-durable or consumer goods. A number of the industries producing durable goods accordingly bettered their position since 1949. Primary iron and steel advanced from eighth to sixth place, and miscellaneous electrical apparatus and supplies from nineteenth to ninth place. Aircraft and parts which did not rank among the forty leading industries in 1949 advanced to seventeenth place in 1959. Motor vehicles which are credited to durable goods, however, dropped from fourth to fifth place. Of the consumer goods industries the most notable advance was made by petroleum products which rose from fifth to second place. Other consumer goods industries declined in relative importance. Slaughtering and meat packing dropped from second to fourth place, sawmills from sixth to seventh place and butter and cheese from seventh to eighth place. Pulp and paper and non-ferrous metal smelting and refining retained the same position in 1959 as in 1949, viz., first and third place respectively.

Changes in the Ranking of the Leading Industries, 1960 Compared with 1959

With the implementation of the revised Standard Industrial Classification for the 1960 compilation of manufacturing statistics, the ranking of the forty leading industries was considerably changed. The main changes resulted from the amalgamation of several small industries to form new industrial classifications. A case in point is the "Manufacturers of industrial chemicals" industry. This is a new industry in 1960 which was formed from four other industries, viz. acids, alkalies and salts, fertilizer materials, synthetic rubber and compressed gases, Butter and cheese, although it still remained as a separate industry designation, saw its value of shipments drop from \$532,636,893 in 1959 to \$298,889,256 in 1960. This drastic change is due mainly to the transfer of the pasteurization of milk to the "Pasteurizing plants" industry which experienced an increase in the value of shipments from \$152,335,773 in 1959 to \$401.743,284 in 1960. By taking butter and cheese and pasteurizing plants as a single industry, the change in the value of shipments was \$15,659,910 higher, rising from \$684,972,626 in 1959 to \$700,632,540 in 1960. Another significant change was the elimination of some industries entirely and the establishments transferred to other industry classifications, Sheet metal products which was a separate industry in 1959 is a good illustration of this feature of the revised classification. It does not now exist as a separate industry. Its establishments were transferred to two new industries, viz. "Omamental and

architectural metal" and "Metal stamping, coating and pressing". Miscellaneous machinery and equipment manufacturers is another new industry, composed mainly of two other industries, viz. "Machine tools" and "Miscellaneous machinery". The miscellaneous electrical apparatus and supplies industry, although it retained its identity, nevertheless saw a drop in the value of factory shipments from \$385,215,432 in 1959 to \$133,308,800 in 1960. This resulted mainly from the transfer of the producers of wire and cable and telephone equipment to two other industries, viz. "Manufacturers of electric wire and cable" and "Communications, equipment manufacturers".

The above are some of the main changes which affected the ranking of the ten leading industries in 1959 and 1960. According to the table below which is intended to illustrate more graphically the changes which have occurred between 1959 and 1960, there is no apparent change in the ranking of the first seven industries, some of which also experienced minor changes in their composition. These minor changes are partly responsible for the variation in factory shipments between 1959 and 1960. Petroleum refining, for example, shows a drop of \$8,000,000 in shipments. This is mainly accounted for by the transfer of absorption plants from this industry to that of the mining sector.

V Accident	Ra	nk	Value of factory shipments		
Industry	1960	1959	1960	1959	
Pulp and paper mills Smelting and refining Petroleum refining Slaughtering and meat packing plants Motor vehicle manufacturers Iron and steel mills Sawmills (including shingle mills) Manufacturers of industrial chemicals Pasteurizing plants Miscellaneous machinery and equipment manufacturers Butter and cheese Miscellaneous electrical apparatus and supplies	3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 20 ¹	dollars 1,578,727,108 1,495,177,517 1,148,943,021 1,058,499,979 970,329,667 756,456,392 591,607,758 449,982,770 401,743,284 393,932,002 298,889,256 133,308,800	1, 499,585,644 1, 307,996,841 1, 156,912,043 1, 135,900,829 928,949,639 782,494,003 571,822,783 297,482,108 ¹ 152,335,733 532,636,832 385,215,432	

¹ This is for the acids, alkalies and salts industry only.
² Not among the forty leading industries in 1959.
³ Not a separate industry in 1959.
⁴ Not among the forty leading industries in 1960.
⁵ Not a separate industry in 1960.

TABLE 27. Principal Statistics of the Forty Leading Industries, Ranked according to Selling Value of Factory Shipments, 1960 Basis: Revised Standard Industrial Classification, adopted in 1960

		Estab-	T	Salaries	Cost at plant	Value	Selling value
No.	Industries	lish- ments	Employees	and wages	of materials used	added by manufacture ¹	of factory shipments
1	Buln and paper mills		iber			lars	
2	Pulp and paper mills	128	65,642	344,409,846	656, 877, 464	811, 546, 844	1,578,727,108
3	Smelting and refining	23	29,708	153, 682, 338	924, 379, 442	507,530,017	1,495,177,5172
		44	13, 400	80,051,281	841,631,957	263, 252, 142	1,148,943,021
4	Slaughtering and meat packing plants	2 10	25,946	115,044,705	845, 487, 570	209, 473, 886	1,058,439,979
5	Motor vehicle manufacturers	18	27,683	149, 748, 166	619,018,864	338, 340, 452	970, 329, 667
6	Iron and steel mills	48	36,472	193, 892, 738	359,717,733	375, 304, 958	756, 456, 392
7	Sawmills (including shingle mills)	5,312	46,607	153,084,558	329,575,802	252, 150, 944	591, 607, 7582
8	Manufacturers of industrial chemicals	131	16,371	86, 442, 647	177, 272, 303	239, 141, 280	449,982,770
9	Pasteurizing plants	778	21,831	83,930,872	256, 831, 880	136, 109, 419	401,743,284
10	Miscellaneous machinery and equipment manufacturers	409	27, 606	123, 792, 123	174, 357, 409	217, 656, 790	393, 932, 002
11	Miscellaneous food manufacturers	303	10,796	41, 262, 004	238, 318, 426	141, 190, 219	382,750,240
12	Bakeries	2,631	37, 192	117, 377, 330	166,595,750	188, 758, 767	366, 131, 412
13	Printing and publishing	752	31, 436	143,041,591	94, 260, 807	263,058,971	359, 876, 447
14	Metal stamping, pressing and coating industry	519	20,808	92,585,517	171,009,071	173,714,858	349,079,849
15	Fruit and vegetable canners and preservers	361	16, 608	48, 526, 369	191,657,764	122, 374, 398	313, 175, 773
16	Aircraft and parts manufacturers	83	27,056	131,542,701	114,521,392	188, 850, 776	308, 190, 2032
17	Butter and cheese plants	961	7,558	21, 699, 798	251, 919, 770	41,688,281	298, 889, 256
18	Motor vehicle parts and accessories manufacturers	119	15,402	73,646,028	151,093,080	129, 232, 815	286,871,543
19	Feed manufacturers	1,406	8,065	26,020,624	215,800,261	63,871,883	284, 574, 959
20	Women's clothing factories	648	26,011	73, 125, 069	141,660,936	127, 599, 613	268, 524, 347
21	Men's clothing factories	509	28,737	76, 189, 722	144, 683, 906	117,745,549	261, 278, 917
22	Breweries	54	7,864	42, 105, 016	58,050,386	190, 256, 543	251,500,708
23	Printing and bookbinding	1,765	23, 489	93, 427, 171	87,656,862	157,004,683	245,848,212
24	Manufacturers of electrical industrial equipment	100	17,079	84, 148, 231	84,892,375	148, 467, 956	236,909,556
25	Communications equipment manufacturers	132	22,981	102, 265, 349	81, 346, 425	164,732,956	235, 446, 645
26	Fabricated structural metal industry	73	15, 195	73,032,191	110, 143, 733	120,730,315	233, 165, 6902
27	Sash and door and planing mills (excluding hardwood flooring)	1,563	16,818	55, 227, 749	138, 765, 161	86,613,365	229, 834, 534
28	Flour mills	58	4,173	17, 416, 164	174, 270, 710	48,610,433	224,657,381
29	Synthetic textile mills	51	15,101	55,955,431	102, 275, 676	116, 252, 541	221, 937, 240
30	Tobacco products manufacturers	24	7,860	32, 908, 179	112, 189, 623	105, 751, 246	217, 887, 989
31	Railroad rolling stock industry	29	18, 256	77,069,849	124, 501, 102	82, 131, 698	212,076,9672
32	Cotton yarn and cloth mills	42	16,841	53, 287, 430	121, 345, 889	86, 150, 102	209, 502, 785
33	Manufacturers of major appliances (electric and non- electric)	44	11, 227	47,936,208	108, 529, 062	88, 965, 128	204,087,643
34	Miscellaneous metal fabricating industries	321	14,782	62,319,455	88,080,287	110,718,461	202, 296, 329
35	Wire and wire products manufacturers	200	11,905	53,924,419	110, 395, 449	87,736,927	200, 112, 321
36	Household furniture industry	1,574	20,529	65,659,959	95, 113, 121	100,811,757	196,836,913
37	Paper converters n.e.s.	193	9,700	38,327,127	97, 141, 823	81, 353, 758	178,528,384
38	Rubber tire and tube manufacturers	9	8,073	38,530,649	89,685,657	85, 282, 923	175, 188, 613
39	Distilleries	21	4,582	20,978,205	55,836,334	116, 748, 150	172, 309, 328
40	Fish products, industry	402	13,357	29,717,560	103,863,226	53,004,983	169,529,913
	Totals leading industries	22,048	800,747	3, 373, 332, 369	9,010,754,488	6, 939, 916, 787	16, 342, 339, 595
		36,682	1, 294, 629	5, 207, 167, 393	12,705,070,820	10, 533, 208, 994	23, 747, 457, 083
	Totals, all industries ³	30,002	2, 802, 083	-140112011000	, , ,	, , , , , , , , , , , , , , , , , , , ,	1,11,201,000

¹ See footnote 1, Table 7.

² Reported on a production basis.

³ Statistics for 1960 include two industries which were not covered in previous years: Poultry Processors in the 'Food and Beverage Industries' Group and Dental Laboratories in the 'Miscellaneous Manufacturing Industries' Group. (See text pp. 13-15).

SECTION 4. PRINCIPAL FACTORS IN MANUFACTURING PRODUCTION

The subjects treated under this Section include capital, inventories, employment, salaries and wages, size of establishments and power and fuel used in manufacturing.

Subsection 1. Capital and Repair Expenditures

Prior to 1944 the following information on capital investment was collected: Fixed Capital—Land, buildings, fixtures, machinery, tools and other equipment. Working Capital—(1) Inventory value of raw materials, stocks in process, fuel and miscellaneous supplies on hand; (2) Inventory value of finished products; (3) Cash, bills and accounts receivable, prepaid expenses, etc. This was replaced by the collection of statistics on the expenditure on fixed capital and repairs.

The remarkable increase in capital employed in Canadian manufactures from the beginning of the twentieth century has, of course, run parallel with the rapid growth in industrial operations. From 1900 to 1905 the capital increased from \$446,900,000 to \$833,900,000 and advanced to \$1,958,700,000 in 1915. During this period returns were received from establishments with 5 hands or over, and, while the rise in wholesales prices did not exceed 37 p.c. the capital employed in manufactures increased nearly 340 p.c.

Capital expenditures by manufacturers in 1960 totalled \$334,700,000 for construction and \$842,700,000 for machinery and equipment, while \$671,600,000 went for repairs. Of the total capital expenditures amounting to \$1,177,400,000 in 1960, 16.5 p.c. was reported by the primary metal industries, 14.1 p.c. by paper and allied industries, 12.9 p.c. by foods and

beverages, 9.1 p.c. by chemicals and chemical products, 5.1 p.c. by petroleum and coal products, 4.2 p.c. by non-metallic mineral product, 4.1 p.c. by transportation equipment, 4.0 p.c. by metal fabricating industries (exclusive of machinery and transportation equipment industries), 3.5 p.c. by wood industries, etc. These nine groups accounted for 73.5 p.c. of the total capital expenditures. Manufacturing statistics for 1960 were compiled on the basis of the revised Standard Industrial Classification. A comparison with the previous year by industrial groups cannot be made without the recompilation of the 1959 capital expenditure figures on the revised basis.

A comparison of the 1960 provincial figures with those for 1959 can, however, be made without recompiling the figures for 1959, since the revision did not materially alter the composition of manufacturing statistics in total. As the table below shows there was an increase of \$33,600,000 in capital expenditures in 1960 as compared with the previous year for Canada as awhole. The greatest increase of \$52,600,000 was reported by Ontario. British Columbia reported an increase of \$52,800,000, Nova Scotia \$12,000,000, Newfoundland \$3,000,000 and Prince Edward Island \$200,000. New Brunswick reported a decrease of \$24,900,000, Quebec \$14,200,000, Alberta \$12,800,000, Saskatchewan \$9,100,000 and Manitoba \$9,000,000.

Variation in Capital Expenditure 1960 Compared with 1959

Province	1960	1959	Variation
		\$'000,000	
Newfoundland	12.0	9.0	+ 3.0
Prince Edward Island	0.6	0.4	+ 0.2
Nova Scotia	27.0	15.0	+ 12.0
New Brunswick	29.7	54.6	- 24.9
Quebec	304.6	318.8	- 14.2
Ontario	554.8	502.2	+ 52.6
Manitoba	49.8	58.8	- 9.0
Saskatchewan	12.8	21.9	- 9.1
Alberta	63.1	75.9	- 12.8
British Columbia	123.0	87.2	+ 35.8
Canada	1, 177.4	1, 143. 8	+ 33.6

Capital expenditures in 1960 at \$1,177,400,000 were \$33,600,000 higher than in 1959. The highest amount spent in any year was in 1957 when capital expenditures totalled \$1,478,900,000 and the highest increase over the previous year was in 1956 when a rise of \$447,500,000 was recorded. Since 1950 there were seven years with increased expenditures on capital goods. These were: 1951, 1952, 1955, 1956, 1957, 1959 and 1960. Three years, viz. 1953, 1954 and 1958 recorded declines. The greatest decline which amounted to \$383,900,000 occurred in 1958 and reflects the recession of that year.

Expenditures on capital assets which averaged \$1,139,200,000 during the past ten years reflect the expansion and modernization which the manufacturing industries of Canada have experienced. Although the expansion was at a rapid rate, not all provinces, however, shared in this expansion at an equal rate. Newfoundland had relatively the highest capital expenditures of any province, the percentage of capital expenditures to the value of factory shipments during the period 1950-54 being 11.0 more than double the Canada average. Alberta with 10.7 was in second place and British Columbia with 7.3 was in third place. Ontario and Saskatchewan equalled the Canada average of 4.9, while Prince

Edward Island, Nova Scotia, New Brunswick, Quebec and Manitoba were below this figure.

Some changes in the pattern of capital expenditures was evident during the period 1955 to 59. All provinces, with the exception of Newfoundland, and Prince Edward Island reported higher expenditures in actual dollars. On the basis of capital expenditures as a percentage of the value of shipments, Alberta with 9.9 had the highest ratio. Five provinces had ratios higher than the Dominion average of 5.6. These provinces were: Alberta, British Columbia, New Brunswick, Newfoundland and Manitoba, Saskatchewan equalled the Dominion average while Prince Edward Island, Nova Scotia, Quebec and Ontario were below it. A comparison of these ratios for the 1955-59 period with the previous five year period shows that for Canada as whole this ratio went up from 4.9 to 5.6. In Newfoundland, Prince Edward Island and Alberta the ratio of capital expenditures to shipments went down while for the other provinces they were higher. New Brunswick reported the greatest increase in the capital-shipments ratio, rising from 4.0 during 1950-1954 to 8.0 in the 1955-1959 period. This was due to an unusual expenditure of \$80,000,000 during 1958 and 1959 for buildings, machinery and equipment, most of which being for the construction of a large oil refinery and pulp and paper mill in the Province.

TABLE 28. Comparison of Capital Expenditures with Value of Factory Shipments, 1950-59

	Annı	ual average, 195	0 - 54	Ann	Annual average, 1955-59			
Province	Capital expenditures	Selling value of factory shipments	Capital expenditures as a percentage of shipments	Capital expenditures	Selling value of factory shipments	Capital expenditures as a percentage of shipments		
	\$'000	,000	p.c. \$'000,000		p.c.			
Newfoundland	10.9	98.7	11.0	9.3	118.6	7.8		
Prince Edward Island	0.7	22.8	3, 2	0.3	25,5	1. 2		
Nova Scotia	12.0	301.3	4.0	18.5	390.7	4.7		
New Brunswick	11.6	289.6	4.0	24.9	311.5	8.0		
Quebec	194.2	5,003.5	3.9	319.2	6,579.1	4.9		
Ontario	401.2	8,135.9	4.9	544.6	10,776.8	5.1		
Manitoba	17.0	553.5	3.1	38, 1	667.6	5.7		
Saskatchewan	12.5	255.0	4.9	17.6	315.6	5, 6		
Alberta	53.9	502.1	10.7	76.6	772.9	9.9		
British Columbia	97.8	1,342.3	7.3	162.4	1.799.6	9.0		
Canada	811.8	16, 506. 5	4.9	1,211.6	21,761.8	5.6		

TABLE 29. Capital and Repair Expenditures by the Manufacturing Industries, by Provinces and Industrial Groups, 1960, with Totals for 1944-59

	Ca	pital expenditur	es	Re	epair expenditure	s
Year, province and group	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
			\$'000	,000		
1944 1945 1946 1947 1948 1949 1950 1951 1952 1952 1954 1955 1956 1957 1957	61.3 75.9 132.2 184.7 184.8 156.6 135.4 267.6 343.6 324.5 287.6 344.5 487.7 519.9 397.6 373.9	150, 1 204, 2 205, 0 343, 2 394, 2 379, 2 367, 1 525, 0 629, 0 644, 5 534, 5 601, 8 906, 1 959, 0 697, 4	211. 4 280. 1 337. 2 527. 9 579. 0 535. 8 502. 5 792. 6 969. 0 822. 1 946. 3 1, 393. 8 1, 478. 9 1, 095. 0 1, 143. 8	60.7 63.1 56.8 62.4 78.9 66.7 67.6 85.0 95.2 94.6 97.6 100.6 112.2 115.4 109.8 125.2	173.5 170.6 164.3 210.7 253.9 287.2 279.0 337.0 363.5 385.5 385.5 390.9 413.0 465.6 498.5 462.1	234. 2 233. 7 221. 1 273. 1 332. 8 333. 9 346. 6 422. 0 458. 7 480. 1 488. 5 513. 6 577. 8 613. 9 571. 9 662. 5
Provinces, 1960 Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebee Ontario Manitoba Saskatchewan Alberta British Columbia Totals	4.4 0.1 9.1 11.0 86.4 146.6 15.6 5.8 21.2 34.5	7.6 0.5 17.9 18.7 218.2 408.2 34.2 7.0 41.9 88.5	12.0 0.6 27.0 29.7 304.6 554.8 49.8 12.8 63.1 123.0	1.1 0.1 4.0 1.7 35.5 56.6 4.5 2.8 7.2 10.9	6.5 0.3 13.3 11.4 148.5 284.2 10.0 2.5 14.0 56.5	7.6 0.4 17.3 13.1 184.0 340.8 14.5 5.3 21.2 67.4
Industrial groups, 1960 Food and beverage industries Tobacco products industries Rubber industries Leather industries Leather industries Textile industries Clothing industries Wood industries Wood industries Furniture and fixtures industries Paper and allied industries Primary metal industries Primary metal industries Primary metal industries Primary industries Metal fabricating (except machinery and transportation equipment industries) Machinery industries (except electrical machinery) Transportation equipment industries Electrical products industries Non-metallic mineral products industries Petroleum and coal products industries Petroleum and coal products industries Miscellaneous manufacturing industries Miscellaneous manufacturing industries Capital items charged to operating expenses	52.7 1.7 6.9 1.3 6.0 0.8 1.5 12.6 3.0 35.1 7.4 51.3 12.2 8.4 16.5 7.6 15.7 51.9	99. 2 5. 2 17. 0 2. 6 21. 1 5. 0 28. 6 4. 6 131. 2 21. 7 142. 9 34. 5 14. 6 31. 9 24. 2 33. 5 7. 8 72. 1 13. 6	151.9 6.9 23.9 27.1 5.8 6.5 41.2 7.6 166.3 29.1 194.2 46.7 23.0 48.4 31.8 49.2 59.7 107.0 20.8 126.4	14.2 1.2 1.0 0.4 3.4 0.5 5.5 0.9 9.2 2.3 20.0 5.2 3.0 10.2 3.8 4.0 10.8 2.1	55. 7 3. 3 8. 1 2. 2 17. 6 1. 7 2. 6 28. 9 2. 3 93. 9 6. 8 145. 1 25. 4 9. 5 31. 1 16. 3 38. 6 4. 0 48. 2 5. 9	69. 9 4. 5 9. 1 2. 1 2. 1 3. 4 33. 4 33. 2 103. 1 165. 1 30. 6 12. 5 41. 3 20. 1 42. 6 30. 0 59. 0 8. 0

TABLE 30. Average Annual Capital and Repair Expenditures by the Manufacturing Industries of Canada, by Provinces, 1948-60

(For individual years see page 60 of the General Review of the Manufacturing Industries of Canada, 1959)

	Ca	pital expenditure	es	Re	pair expenditures	3
Province	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
			\$'00	0,000	,	
Canada: 1945 - 49	146.8	305.2	452.0	65.6	213.3	278.9
1950 - 54	271.7	540.0	811.7	88.0	351. 2	439.2
1955 - 59	424.7	786.8	1, 211.5	112.6	475.3	587.9
1960	334.7	842.7	1, 177. 4	124.4	547.2	671.6
Newfoundland:						
1949	2.3	6.0	8.3	1.5	3.6	5. 1
1950 - 54	3.9	7.0	10.9	1.3	4.8	6. 1
1955 - 59	1.9	7.4	9.3	1. 3	5.6	6. 9
1960	4.4	7.6	12.0	1. 1	6.5	7.6
Prince Edward Island:	0.4		0.4	0.1		0.2
1948 - 49	0.1	0.3	0.4	0.1	0.2	0.3
1950 - 54	0.3	0.4	0.7	0.1	0.2	
1955 - 59	0.1	0.2	0.3	0.1	0.2	0.3
1960	0.1	0.5	0.6	0. 1	0.3	0.4
Nova Scotia:	4.7	6.0	10. 77	3.9	6.6	10.5
1948-49	4.7	6.0	10.7	5.9	7.0	12. 9
1950 - 54	3.5	8.5	12.0		9.5	15. 1
1955 - 59	9.4	9.1	18.5 27.0	5.6	13.3	17.3
1960	9.1	17.9	21.0	4,0	10. 0	11.0
New Brunswick:	0.5	40.0	12.0	1.0	0.0	8, 0
1948-49	3.5	10.3	13.8	1.2	6.8	9.4
1950 - 54	2.5	9.1	11.6	1.4	8.0	10.8
1955 - 59	10.1	14.8	24.9 29.7	1.6	9.2	13. 1
1960	11.0	10. 1	2011		****	200 2
Quebec:	54.2	120.6	174.8	19.8	78.6	98.4
1948 - 49	56.4	137.8	194.2	22. 2	101. 5	123. 7
1950-54	104.1	215. 1	319.2	30.3	130.1	160.4
1955 - 59 196 0	86.4	218. 2	304.6	35.5	148.5	184: 0
Ontario:						
1948 - 49	76.2	188.9	265.1	34. 1	125.4	159. 5
1950 - 54	129.2	272.0	401.2	40.5	177.6	218. 1
1955 - 59	164.0	380.6	544.6	49.9	245.9	295.8
1960	146.6	408.2	554.8	56.6	284.2	340, 8
Manitoba:						
1948 - 49	3.1	9. 1	12.2	2, 3	6.3	8.6
1950-54	7.0	10.0	17.0	3.0	8.2	11.2
1 955 - 59	19.7	18.4	38.1	4.2	9.0	13. 2
1960	15.6	34.2	49.8	4.5	10.0	14.5
Saskatchewan:						
1948 - 49	2.7	5.2	7.9	0.8	2.0	2. 8
1950 - 54	6.5	6.0	. 12.5	1.5	2.6	4. 1
1955 - 59	8.1	9, 5	17.6	2.5	2.5	5.0
1960	5.8	7.0	12. 8	2.8	2. 5	5.3
Alberta:						
1948 - 49		7.6	14.6	1.8	5.4	7.2
1950 - 54		32. 1	53.9	3.3	7.6	10.9
1955 - 59	42.3	34.3	76.6	6.7	13. 1	19. 8
1960	21.2	41.9	63.1	7.2	14.0	21. 2
British Columbia:						
1948 - 49		35.8	53.8	8. 1	27.5	35.6
1950 - 54		56.9	97.7	8.7	33.7	42.4
1955 - 59		97.4	162.4	10.4	50.3	60.7
1960	34.5	88.5	123.0	10.9	56.5	67. 4

TABLE 31. Average Annual Capital and Repair Expenditures by the Manufacturing Industries of Canada, Industrial Groups, 1945 - 59 1

(For individual years see page 62 of the General Review of the Manufacturing Industries of Canada, 1959.)

	Ca	pital expenditure	s	R	epair expenditur	res
Group and year	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
Foods and beverages:			\$'000	0,000		
1945 - 49 1950 - 54 1955 - 59	27. 1 29. 0 38. 7	42.3 55.1 79.2	69.4 84.1 117.9	11.7 12.1 13.3	25.1 36.6 49.1	36.8 48.7 62.4
Tobacco and tobacco products: 1945 - 49 1950 - 54 1955 - 59	0.8 0.7 2.9	1.7 2.0 5.4	2.5 2.7 8.3	0.5 0.5 1.0	1.0 1.4 2.4	1.5 1.9 3.4
Rubber products (including footwear): 1945 - 49 1950 - 54 1955 - 59	2. 4 2. 8 3. 5	5.4 7.9 10.0	7.8 10.7	1.0 1.0	4.7 5.6	5.7 6.6
Leather products: 1945-49 1950-54	1.1	2. 1	3. 2 2. 6	0.9 0.6	7. 4 2. 5 2. 1	8. 4 3. 4 2. 7
Textile products (except clothing):	1.0	2. 1	28.5	0. 7 3. 3	12.0	3. 0 15. 3
1950 - 54	7.8 6.6	23. 1 23. 7	30. 9 30. 3	3. 4	15. 8 16. 9	19. 2 20. 0
1945-49 1950-54 1955-59	4. 1 2. 8 1. 2	8. 7 9. 6 8. 9	12.8 12.4 10.1	2. 1 1. 4 1. 2	4.2 4.4 4.2	6.3 5.8 5.4
Wood products: 1945-49 1950-54 1955-59	7.9 9.5 12.1	15. 0 24. 0 30. 8	22.9 33.5 42.9	6. 1 6. 7 6. 8	16.0 22.8 28.0	22.1 29.5 34.8
Paper products: 1945-49 1950-54 1955-59	24.0 28.1 46.8	42.8 76.8 136.4	66.8 104.9 183.2	5.8 8.2 8.9	39.8 67.7 86.1	45.6 75.9 95.0
Printing, publishing and allied industries: 1945-49 1950-54 1955-59	5. 1 6. 0 10. 9	8.7 15.1 21.8	13.8 21.1 32.7	1.3 1.9 2.0	3.7 4.4 5.7	5.0 6.3 7.7
Iron and steel products: 1945-49 1950-54 1955-59	15.6 32.8 39.7	32. ² 2 63. 1 106. 2	47.8 95.9 145.9	10. 1 14. 0 15. 0	31.4 60.0 94.8	41.5 74.0 109.8
Transportation equipment: 1945-49 1950-54 1955-59	5. 0 27. 3 18. 4	11. 2 32. 9 41. 0	16. 2 60. 2 59. 4	5. 1 9. 4 10. 7	16.6 27.1 31.6	21.7 36.5 42.3
Non-ferrous metal products: 1945 - 49 1950 - 54 1955 - 59	5.8 24.9 48.2	11. 4 30. 0 52. 2	17. 2 54. 9 100. 4	4.8 7.4 10.0	17.9 33.0 49.9	22.7 40.4 59.9
Electrical apparatus and supplies: 1945-49	4.5 13.7 10.5	11. 0 17. 0 24. 2	15.6 30.7 34.7	1.9 2.5 3.3	7.5 12.3 14.7	9.4 14.8 18.0
Non-metallic mineral products: 1945-49 1950-54 1955-59	7. 2 11. 5 28. 6	9.8 19.8 43.4	17.0 31.3 72.0	1.5 3.0 3.3	10.6 18.8 33.3	12.1 21.8 36.6
Products of petroleum and coal: 1945-49	19.0 43.7 108.6	10.0 25.2 10.8	29. 0 68. 9 119. 4	3.8 10.4 23.4	7.6 10.3 6.9	11. 4 20. 7 30. 3
Chemicals and allied products: 1945-49	11. 4 27. 0 42. 5	17.7 50.4 67.2	29. 1 77. 4 109. 7	3.9 4.6 7.7	12.6 25.7 37.7	16.5 30.3 45.4
Miscellaneous industries: 1945-49 1950-54 1955-59	2. 4 3. 3 4. 5	43.3 4.3 8.8	45.7 7.6 13.3	0.7 0.9 1.4	1.6 3.0 3.9	2.3 3.9 5.3

^{1.} Capital and repair expenditures for 1960 are not available by groups due to the fact that the survey was compiled on the basis of the revised Standard Industrial Classification which change the composition of most of the major groups. See Table 29.

Subsection 2. Value of Manufacturing Inventory

As explained in the section on Capital Employed, the collection of statistics on capital investment by manufacturers was discontinued in 1944. This was replaced by the collection annually of expenditure statistics on fixed capital, repairs and maintenance from all large manufacturers, with estimates being made for the smaller establishments. As a result of this change no information was available on investment in inventory. Before long, however, the need for this information became apparent. Consequently, beginning with 1949, calendar year-end inventory values were collected separately from all manufacturing plants with an annual gross value of production of \$50,000 or over. These values are inflated to a total by estimating for small firms in each industry on the basis of the gross value-inventory ratio of reporting firms.

Commencing with 1954 questions on inventory were put back on the forms used in the annual survey of manufactures. As a result, all establishments with shipments of \$50,000 or more were required to give this information. As in the case of the calendar year-end series, estimates for establishments with shipments of under \$50,000 were made on the same basis. By comparing the two series for 1954 it was found that they differed slightly. This is mainly due to the difference in time of reporting this information. In the first series the figures refer to the end of December while in the second they refer to the company year which in a number of cases might be anywhere from the end of January to the end of June. The figures in the first series are accordingly higher by 3.6 p.c. This is due to the policy of most companies to have as low an inventory as possible at the end of their financial year. When the financial

year is other than the calendar year they could and usually do report a higher figure for December than they do for the end of their financial year which is reported in the second series.

It should be noted that the calendar year-end values as shown in the table below are not strictly comparable with those published in previous general reviews on manufacturing, since the series previously published has been reduced by the entire value of inventories held but not owned, i.e. held under progress payment arrangements. The deduction was made from the goods in process component. In previous reviews an item of total inventory holdings was shown separately, but no attempt was made to assign it to any specific component. While the assumption that all such inventory is part of goods in process is not strictly true, it is nevertheless a fairly good working approximation.

Company year-end inventory in 1960 totalled \$3,824,300,000 of which amount \$1,755,500,000 was reported as raw materials and supplies, \$779,700,000 goods in process and \$1,252,800,000 as finished goods, while \$36,300,000 was reported in total only by the fish processing and slaughtering and meat packing industries. The food and beverage industries with \$649.6 million reported the highest inventory of any group. This was followed by the paper and allied industries group with \$353.7 million, metal fabricating (except machinery and transportation equipment industries) \$306.7 million, electrical products industries \$301.3 million, primary metal industries \$265.4 million, transportation equipment industries \$259.8 million, chemical and chemical products industries \$244.7 million, etc.

TABLE 32. Value of Manufacturing Inventory Held at Plant or Plant Warehouse, Exclusive of Goods Purchased for Resale without Further Processing, 1949-601

Year, province and industrial group	Total inventory	Raw materials and supplies	Goods in process	Finished goods
		\$'000	,000	
	i	1	1	
1949	2,333.0			* *
1950	2,638.0	1,418.0	472.0	718.0
1951	3, 390. 0	1,781.0	610.0	999.0
19522	3,350.0	1,817.0	568.0	965.0
19532	3,519.0	1,830.0	613.0	1,076.0
1954	3, 212. 2	1,592.5	608.6	1,011.1
1955	3,409.0	1,670.4	706.4	1,032.2
1956 ²	3,821.5	1,827.0	785.8	1, 208. 7
1957	3,973.03	1,890.9	844.9	1, 155. 1
1958	3,838.03	1,785.0	765.1	1, 192.0
1959	4,015.53	1,873.2	835.3	1, 218.8
Province				
Newfoundland	28. 1	20.1	0.7	3.9
Prince Edward Island	2. 5	0,8	4	1.4
Nova Scotia	64.0	33.6	7.6	15.4
New Brunswick	66.2	43.0	4.4	15.3
Quebec	1, 165. 5	574.0	238.8	352.5
Ontario	1,921.6	802.6	457.5	661.5
Manitoba	103.3	55.4	12.3	35.6
Saskatchewan	42.2	20.0	4.5	17.8
Alberta	128.8	55.6	13.3	59.9
British Columbia	301.4	150.2	40.6	88.9
Yukon and Northwest Territories	0.7	0. 2	4	0.6
Canada, 1960	3, 824, 33	1,755.5	779.7	1,252.8

TABLE 32. Value of Manufacturing Inventory Held at Plant or Plant Warehouse, Exclusive of Goods Purchased for Resale Without Further Processing, 1949-601 - Concluded

Year, province and industrial group	Total inventory	Raw materials and supplies	Goods in process	Finished goods
		\$'000	,000	
Industrial group⁵				
Food and beverage industries ³	649.6	229, 3	150, 1	233.9
Tobacco products industries	44.4	37.8	2.9	3.7
Rubber industries	62.4	15. 1	8. 2	39.0
Leather industries	58.5	25.8	10.2	22.5
Textile industries	188. 1	66.9	44.1	77. 1
Knitting mills	46.5	13.3	11.8	21.4
Clothing industries	149.9	81.3	18. 2	50, 4
Wood industries	185.7	143.0	4.2	38. 5
Furniture and Fixture industries	60.3	33.8	12, 1	14.5
Paper and allied industries	353.7	267.8	16.2	69. 7
Printing, publishing and allied industries	59.0	32.3	15, 1	11.6
Primary metal industries	265 A	141.2	50.1	74. 0
Metal fabricating (except machinery and transportation equipment				* 2,0
industries)	306.7	146.7	77.6	82.3
Machinery industries (except electrical machinery)	184.7	68.8	62.8	53.1
Transportation equipment industries	259.8	106.5	102.9	50.5
Electrical products industries	301.3	89.0	102.5	109.8
Non-metallic mineral products industries	106.7	50.1	9. 2	47.5
Petroleum and coal products industries	181.3	47.1	20.8	113.4
Chemical and chemical products industries	247.7	108.1	35.3	104.4
Miscellaneous manufacturing industries	112.6	51.6	25.4	35.5

¹ The opening inventory of the current year differs from the closing inventory of the previous year because of the receipt of revised data, the inclusion of new firms and the removal of figures for firms that did not operate during the current year.

² Revised.
³ The "Fish processing" and "Slaughtering and meat packing" industries could not report the three-way breakdown of their inventory. For this reason the three columns do not add to the total.
⁴ Less than \$50,000.

Subsection 3. Employment in Manufacturing Industries

Monthly Record of Employment. - Ordinarily, manufacturing employment in Canada reaches its highest point during the summer months. Some of the seasonal industries, such as canning, are most active then, textile industries are preparing winter goods, and industry generally feels the active demand of the agricultural purchasing power resulting from the prospect of the season's harvest.

After the setback of 1929, employment in 1930, 1931, 1932 and the first half of 1933 declined steadily, the monthly employment figures in each case being lower than the corresponding month of the previous year. The peak of employment in June, 1929, when 575,693 production workers were on the payrolls, was surpassed in September, 1937, with 582,305 production workers. After the outbreak of war the improvement in employment became increasingly rapid. A record high was reached in August, 1943, when 1,067,890 production workers were employed, an increase of 96.4 p.c. over the same month in 1939. The highest employment during 1944 occurred in June when 1,049,557 production workers were employed. From then on employment declined steadily to the end of 1945 when 819,619 production workers were reported. At the end of 1951 there were 953,952 production workers employed, compared with an employment of 961,820 production workers in December, 1944, and 1,021,630 in December, 1943.

During the first half of 1952 the number of production workers increased each month, but not to the extent of the employment in the same month of the previous year. From the middle of the year monthly employment figures exceeded those of the previous year. This trend continued to October 1953 The trend for the next two months was downward so that by the end of 1953 there were only 990.611 production workers as compared with 1,018,764 at the end of December 1952.

The minor recession experienced in 1954 is reflected in the monthly employment figures, the number employed each month being lower than the corresponding month of the previous year, although there was the usual upturn during the summer months. Employment at the end of December at 932,786 was at the lowest level since 1949 when 906,851 persons were employed. December 1952 with 1,018,764 production workers had the highest year-end figures during this period.

The downward trend of 1954 continued until the end of April 1955. From then on, the monthly employment figures were consistently higher than the corresponding months of the previous year. This upward trend continued until May 1957 when manufacturing activity began to decline. June and July saw a slight drop from the corresponding figures of the previous year. Some improvement took place in August, but from September on to the end of the year the monthly figures were consistently lower, so that the year-end employment in 1957 totalled only 963,228 as compared with 1,025,860 in 1956, a drop of 6.1 p.c. This compares with an increase of 3.3 p.c. in 1956 over 1955, Monthly employment figures of production workers in 1958 were lower each month as compared with the corresponding month of the previous year. Employment was at its highest in June and the lowest in December, For 1958 as a whole there was a drop of 6.1 p.c. in the number of production workers employed. There was a moderate improvement in employment in 1959 as compared with 1958. The figures for each month, with the exception of February, were higher than in the corresponding month of 1958. The improvement in the employment situation is reflected in an increase of 1.7 p.c. in December 1959 as compared with December 1958. The improvement in employment during 1959 continued through the first quarter of 1960. In April, however, employment began to decline, the number of production workers employed each month for the rest of the year being lower than the corresponding figures for 1959. This resulted in a drop of 3.4 p.c. in the employment figures for December 1960 as compared with December 1959

⁵ Figures de not add due to rounding.

^{..} Not available.

TABLE 33. Production Workers Employed in the Manufacturing Industries, by Months and Sex, Significant Years, 1929-60

Month	1929	1933	1939	1943	1949¹	1954¹	1959²	1960²
				All wage	-earners			
January	502, 644	340,027	490, 337	1,023,261	928,077	979,801	958, 200	973, 284
February		347,777	496, 160	1,030,878	932, 356	985,063	961,473	977, 527
March		355,888	503, 475	1,036,648	937,714	989,350	971,192	978,75
April		358,759	509,739	1,033,748	944, 307	988,374	984, 832	981, 24
lay		377,659	530,864	983,058	961, 137	1,000,313	1,010,017	1,002,14
		392, 196	531, 245	1,058,645	973, 324	1,011,718	1,033,078	1,016,51
une		393, 464	529, 575	1,056,975	964, 813	1,008,963	1,022,361	999,52
uly		402, 249	543,605	1,067,890	975, 114	1,008,332	1,026,519	1,010,86
ugust		410,954	562, 355	1,066,595	970, 324	1,004,246	1,041,020	1,012,69
eptember	1		568, 564	1,053,486	951,017	986, 369	1, 014, 283	981,65
October		405,757		1,049,738	934, 576	961, 505	979,572	963, 48
Tovember		396, 384	563, 117		906.851	932, 786	960,420	928, 02
ecember	499, 893	380,612	544, 817	1,021,630	906,851	934, 180	900, 420	920,0
				Ma	de			
anuary	397, 459	257,445	381, 997	751, 269	716,005	775, 348	755,349	768, 16
ebruary	410,865	260,728	395,955	755, 181	719,374	778,646	756,808	771,10
farch		267, 259	391,623	757,702	725, 953	782,905	765, 495	773,08
April	1 1	271,348	398,982	755,888	732,906	784, 744	779,574	777,8
1ay	1 1	285,705	416,963	764, 158	747,614	795, 664	799,703	794, 10
fune		296,937	417,975	776,003	757,575	804,702	818,892	805, 28
July		300, 329	417,987	779,687	750,579	802,063	807,616	787, 5
August		302,969	421,895	777,733	747,518	790, 269	798,389	787,0
September		304,908	431, 509	767,043	739,768	781, 256	812, 915	785,9
October		301,315	437, 220	754, 484	725,853	769, 127	796,663	766, 2
November		294,945	432,920	753, 211	715, 188	749,863	769,130	752, 3
December		285,690	422, 538	738,073	700, 141	736, 203	761, 545	730, 4
				Fe	male	L		
January	105, 185	82, 582	108, 340	271,992	212,072	204, 453	202,851	205, 1
February		87,049	110, 205	275, 697	212, 982	206, 417	204,665	206, 4
March		88,629	111,852	278,946	211,761	206, 445	205,697	205,6
April		87,411	110,757	277,860	211, 401	203, 630	205, 258	203, 3
May		91, 954	113,901	218, 900	213, 523	204, 648	210, 314	207,9
		95, 259	113, 270	282,642	215,749	207, 016	214, 186	211, 2
June		93, 239	111, 588	277, 288	214, 234	206, 900	214,745	211.9
July		99, 280	121,710	290, 157	227, 596	218,063	228, 130	223, 8
August		-		299, 552	230, 556	222, 990	228, 105	226,7
September		106,046	130,846	1		217, 242	217,620	215, 4
October		104,442	131, 344	209,002	225, 164	1	210, 442	211, 1
November		101, 439	130, 197	296, 527	219, 388	211,642		1
December	107, 990	94,922	122, 279	283, 557	206,710	196, 583	198,875	197,5

¹ Beginning with 1949 small establishments with selling value of products of \$50,000 or less were, generally, not required to report employment figures. Monthly and annual estimates were, therefore, made for these establishments so that the published figures are total employment figures of both large and small establishments. For 1949 to 1957 different methods of estimation were used for each industry, the method considered most appropriate in each case being used.

Male wage-earners	January	February	March	April	May	June
Large establishments	676, 958	678, 417	687, 104	696,588	716,717	735, 906
	39, 910	39, 910	39, 910	44,505	44,505	44, 505
	38, 481	38, 481	38, 481	38,481	38,481	38, 481
	755, 349	756, 808	765, 495	779,574	799,703	818, 892

propriate in each case being used.

In 1958 the method of estimating monthly employment figures for small establishments was standardized for all industries, For that year small establishments were required to report the number of production workers employed during the last pay period of May 1958. To the monthly totals reported by the large establishments were added the May employment figures reported by small establishments. For example, male production workers reported by large establishments for December 1958 totalled 711,617. To this was added the 32,371 production workers reported by the small establishments for the end of May, giving a grand total of 743,988 for December, shown above. This was done for each month so that the figures shown above are the total monthly employment figures of production workers introduces some distortion since there is some variation in the number employed each month by the small establishments. This distortion in most cases is not too serious since the number involved is not to large. For manufacturing as a whole the number of production workers employed by small establishments in 1958 was only 4.1 p.c. of the estimated total for all establishments where the number of production workers establishments. Large establishments reported employment figures for the last pay-period of each month. Medium-sized establishments reported employment figures for the last pay-period in May. To obtain total employment, the figures reported by the medium-sized and small establishments were added to the monthly totals of large establishments, as follows:

TABLE 34. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Provinces, 1960

	Male	Female	Total	Male	Female	Total		
		Canada			Newfoundland			
Large establishments:			num	ber				
January February March April	701,880	176, 989	878,869	5,547	493	6,040		
	704,817	178, 295	883,112	5,485,	510	5,995		
	706,798	177, 546	884,344	5,617	536	6,153		
	707,746	175, 435	883,181	6,053	616	6,669		
May June July August	724,018	180, 063	904, 081	6,673	713	7,386		
	735,133	183, 325	918, 458	7,633	921	8,554		
	717,300	180, 847	898, 147	7,729	995	8,724		
	716,775	192, 712	909, 487	7,664	872	8,536		
September	715,708	195, 613	911, 321	7, 228	801	8,029		
October	700,993	188, 124	889, 117	6, 580	620	7,200		
November	687.095	183, 851	870, 946	6, 305	572	6,877		
December	665,275	170, 217	835, 492	5, 555	457	6,012		
Medium establishments: March June September December	37, 143	19,560	56,703	246	207	453		
	41, 006	19,343	60,349	282	202	484		
	41, 099	22,565	63,664	288	217	505		
	36, 063	18,760	54,823	272	211	483		
Small establishments: May	29,145	8,567	37,712	150	37	187		
		ince Edward Islan		100	101			
			num	ber	Nova Scotia			
Large establishments: January February March April	454	110	564	16,786	2,792	19,578		
	469	121	590	16,893	2,721	19,614		
	504	119	623	16,959	2,774	19,733		
	708	219	927	17,915	2,887	20,802		
May	979	633	1,612	19,044	3,356	20,400		
June	950	710	1,660	20,200	3,418	23,618		
July	889	408	1,297	19,429	3,354	22,783		
August	955	474	1,429	19,164	3,542	22,706		
September	876	486	1,362	18,637	3,707	22, 344		
October	744	321	1,065	18,523	3,702	22, 225		
November	664	286	950	18,068	3,535	21, 603		
December	548	2,15	763	17,067	3,234	20, 301		
Medium establishments; March June September December	134	39	173	733	211	944		
	145	43	188	1,007	224	1,231		
	172	60	232	915	232	1,147		
	148	48	196	791	274	1,065		
Small establishments:	114	19	133	760	156	010		
May	114		100	700		916		
		New Brunswick	num	ber	Quebec			
Large establishments: January February March April	13, 155	2, 215	15, 370	215, 208	77,735	292, 943		
	13, 094	2, 157	15, 251	217, 061	78,776	295, 837		
	13, 012	1, 917	14, 929	218, 739	78,923	297, 662		
	13, 317	2, 023	15, 340	219, 523	77,729	297, 252		
May	15, 005	3, 435	18,440	226, 115	78,591	304,706		
June	15, 463	3, 459	18,922	230, 534	79,359	309,893		
July	15, 842	3, 016	18,858	229, 440	78,521	307,961		
August	15, 873	3, 837	19,710	228, 681	82,028	310,709		
September	15, 502	3, 525	19,027	225, 212	82,463	307, 675		
October	14, 721	2, 882	17,603	221, 226	81,593	302, 819		
November	13, 642	2, 185	15,827	215, 900	79,528	295, 428		
December	12, 587	1, 961	14,548	208, 749	74,850	283, 599		
Medium establishments: March June September December	538	156	694	12,913	8,978	21, 891		
	644	162	806	14,819	8,552	23, 371		
	640	187	827	15,004	9,799	24, 803		
	521	166	687	12,894	8,415	21, 309		
Small establishments:	618	180	798	9,596	2, 657	12, 253		

TABLE 34. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Provinces, 1960 - Concluded

	Male	Female	Total	Male	Female	Total		
		Ontario	-		Manitoba			
Large establishments:	number							
January February March April	338, 909 339, 021 338, 744 338, 582	77,960 77,995 77,426 75,881	416,869 417.016 416.170 414,463	21,974 22,045 21,870 21,805	5,934 6,021 5,973 5,865	27,908 28,066 27,843 27,670		
May	341, 107 342, 397 324, 881 326, 202	76,595 77,442 75,181 82,349	417,702 419,839 400,062 408,551	22,393 23,175 23,370 23,039	6,059 6,492 6,454 6,607	28,452 29,667 29,824 29,646		
September October November December	334, 469 328, 378 323, 801 315, 139	85,035 80,993 81,245 74,727	419,504 409,371 405,046 389,866	21,991 21,667 21,640 21,317	6,664 6,627 6,351 5,722	28,655 28,294 27,991 27,039		
Medium establishments:								
March June September December	13,775 15,395 15,478 13,738	6,983 7,086 8,536 6,907	20,758 22,481 24,014 20,645	1, 209 1, 241 1, 309 1, 226	1, 205 1, 136 1, 271 1, 121	2,414 2,377 2,580 2,347		
nall establishments:	11,263	3,698	14,961	1,366	450	1,816		
		Saskatchewan		Alberta				
Large establishments:			numb	er				
January February March April	6,630 6,708 6,703 6,671	787 839 843 868	7,417 7,547 7,546 7,539	23,925 23,052 22,753 21,381	3, 189 3, 192 3, 094 3, 289	27,114 26,244 25,847 24,670		
May June July August	7, 111 7, 386 7, 504 7, 569	914 944 987 1,029	8,025 8,330 8,491 8,598	21,970 22,659 23,300 23,207	3,574 3,487 3,669 3,671	25,544 26,146 26,969 26,878		
September October November December	7,322 6,989 6,821 6,540	1,040 1,072 1,025 781	8,362 8,061 7,846 7,321	22,540 22,264 22,220 21,568	3,804 3,320 3,222 3,089	26,344 25,584 25,442 24,65		
Medium establishments: March June September December	575 664 664 592	149 161 161 150	724 825 825 742	1,458 1,330 1,329 1,273	466 534 543 423	1,924 1,864 1,873 1,690		
Small establishments:	618	138	756	1,342	394	1,73		
	В	ritish Columbia		Yukon and Northwest Territories				
			num	per				
Large establishments: January February March April	59, 257 60, 955 61, 862 61, 749	5,766 5,955 5,933 6,049	65,023 66,910 67,795 67,798	35 34 35 42	8 8 8 9	4 4 4 5		
May June July August	63,575 64,687 64,864 64,372	6, 184 7, 083 8, 252 8, 292	69,759 71,770 73,116 72,664	46 49 52 49	9 10 10 11	5 5 6 6		
September October November December	61,896 59,869 58,009 56,177	8,079 6,985 5,894 5,173	69, 975 66, 854 63, 903 61, 350	35 32 25 28	9 9 8 8	4 4 3 3		
Medium establishments: March June September December	5,507 5,459 5,296 4,577	1,164 1,240 1,556 1,043	6,671 6,699 6,852 5,620	55 20 4 31	2 3 3 2	5 2 3		
Small establishments:	3,305	836	4,141	13	2	1		

TABLE 35. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1960

The Entroyee	In the Manut	loyed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 196					
	Male	Female	Tctal	Male	Female	Total	
	Food a	nd beverage indu	ıstries	Tobace	co products indu	stries	
		1	num	ber			
Large establishments: January February March April May June July August September October November	94, 825 94, 533 94, 922 98, 283 105, 061 119, 671 114, 130 115, 151 113, 532 106, 997 103, 409	26,042 25,917 25,741 26,831 31,769 34,355 35,881 41,947 43,058 35,882 33,566	120, 867 120, 450 120, 663 125, 114 136, 830 144, 026 150, 011 157, 098 156, 590 142, 879 136, 975	4,871 4,974 4,015 3,267 3,032 3,049 2,955 2,961 3,042 2,990 4,495	5,518 5,176 4,757 4,120 3,817 3,983 3,963 3,883 3,844 4,002 5,189	10, 398 10, 150 8, 772 7, 387 6, 849 6, 948 6, 918 6, 844 6, 886 6, 992 9, 684	
December	96, 488	26, 828	123, 316	4, 769	5, 265	10, 034	
Medium establishments: March June September December Small establishments:	8, 192 8, 791 9, 668 8, 445	3, 233 3, 587 5, 650 3, 447	11, 425 12, 378 15, 318 11, 892	= = = = = = = = = = = = = = = = = = = =	= = =	= = =	
May	7,932	2,763	10, 695	-	_	-	
	R	ubber industries		L	eather industries	3	
			numl	ner			
Large establishments: January February March May June July August September October November December March June June June September Small establishments:	12, 239 12, 336 12, 308 12, 184 12, 044 12, 002 11, 937 12, 139 11, 937 11, 529 10, 841	3, 088 3, 143 3, 135 3, 136 3, 191 3, 252 3, 073 3, 269 3, 366 3, 383 3, 028 2, 724	15, 327 15, 479 15, 443 15, 320 15, 235 15, 254 15, 010 15, 408 15, 565 15, 320 14, 557 13, 565	12, 143 12, 207 12, 094 11, 631 11, 572 11, 907 11, 952 12, 189 12, 102 11, 894 12, 063 11, 937	9, 928 10, 157 10, 077 9, 527 9, 536 9, 942 10, 034 10, 378 10, 378 10, 486 9, 709	22, 071 22, 364 22, 171 21, 158 21, 108 21, 849 21, 986 22, 567 22, 478 21, 739 22, 149 21, 646 4, 350 4, 189 4, 372 4, 100	
	Те	xtile industries		1	Knitting mills		
	1	1	numb	er	1		
Large establishments: January February March April May June July August September October November December Medium establishments:	31, 042 31, 745 32, 369 31, 774 32, 204 32, 330 32, 112 32, 176 32, 062 32, 025 31, 982 31, 782	15, 740 15, 929 16, 094 16, 030 16, 254 16, 139 15, 622 15, 851 15, 882 15, 844 15, 736 15, 441	46, 782 47, 674 48, 463 47, 804 48, 458 48, 469 47, 734 48, 027 47, 944 47, 869 47, 718 47, 223	4, 621 4, 675 4, 601 4, 508 4, 481 4, 520 4, 536 4, 696 4, 775 4, 795 4, 813 4, 701	10,674 10,834 10,731 10,373 10,210 10,210 10,086 10,868 11,011 11,213 11,144 10,541	15, 295 15, 509 15, 332 14, 881 14, 691 14, 730 14, 622 15, 564 15, 786 16, 008 15, 957 15, 242	
March	371 415 393 366	592 621 622 580	963 1,036 1,015 946	595 596 611 616	1, 641 1, 671 1, 765 1, 628	2, 236 2, 267 2, 374 2, 244	
Small establishments: May	130	212	342	142	366	508	

TABLE 35. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1960 — Continued

	Male	Female	Total	Male	Female	Total
Name of State of Stat	Cle	othing industrie	s		Wood industries	
			num	ber		
Large establishments: January February March April	16, 201 16, 375 16, 239 15, 861	46,356 47,102 46,996 45,994	62,557 63,477 63,235 61,855	53,849 55,571 55,869 53,118	2,640 2,716 2,693 2,633	56,489 58,287 58,562 55,751
May June July August	15,437 15,962 16,387 16,812	45,780 45,661 44,882 47,185	61,217 61,623 61,269 63,997	58,832 61,503 60,905 59,612	2,666 2,738 2,503 2,560	61,498 64,241 63,408 62,172
September October November December	16,676 16,330 15,655 15,547	47,858 47,648 45,951 43,559	64,534 63,978 61,606 59,106	56,520 53,772 49,741 47,886	2, 481 2, 408 2, 376 2, 253	59,001 56,180 52,117 50,139
Medium establishments:						
March June September December	2,901 2,690 2,958 2,692	8, 147 7, 692 8, 422 7, 436	11,048 10,382 11,380 10,128	7,634 9,823 8,611 6,365	167 169 158 158	7,801 9,992 8,769 6,523
Small establishments:	472	1,742	2, 214	3,897	62	3,959
	Furniture	e and fixture in	dustries	Pape	er and allied indu	stries
T and a debit about the			nun	per		
Large establishments: January February March April	19,020 19,137 19,324 19,462	2, 214 2, 280 2, 293 2, 274	21, 234 21, 417 21, 617 21, 736	64,342 63,980 63,999 64,248	6,861 6,859 6,972 6,934	71,203 70,939 70,971 71,182
May June July August	19,568 19,924 19,622 20,046	2, 255 2, 282 2, 263 2, 270	21, 823 22, 206 21, 885 22, 316	66,454 68,586 69,400 69,507	7,046 7,138 7,009 7,281	73,500 75,724 76,409 76,788
September October November December	20, 184 20, 232 19, 787 18, 908	2,348 2,344 2,313 2,197	22,532 22,576 22,100 21,105	68, 253 67, 018 65, 980 64, 526	7,277 7,128 6,896 6,702	75,530 74,146 72,876 71,228
Medium establishments: March June September	3,949 4,120 4,299 4,098	473 478 490 479	4,422 4,598 4,789 4,577	1,023 1,052 1,035 1,024	869 886 914 893	1,892 1,938 1,949 1,917
December	4,000	110				
May	902	122	1,024	391	446	837
	Printing, pub	lishing and alli		Pri	mary metal indus	tries
Large establishments:			1	1	1	
January February March April	27,472 27,628 27,701 27,971	6,787 6,706 6,732 6,764	34, 259 34, 334 34, 433 34, 735	73,595 73,948 73,826 73,522	718 731 738 725	74, 313 74, 679 74, 564 74, 247
May June July August	27,922 28,034 27,507 27,627	6,837 6,983 6,871 6,860	34,759 35,017 34,378 34,487	72,523 72,535 71,904 71,778	726 700 698 676	73, 249 73, 235 72, 602 72, 454
September October November December	27,932 27,982 27,829 27,560	7,052 6,981 6,965 6,734	34, 984 34, 963 34, 794 34, 294	70,422 70,404 68,232 66,609	682 712 671 652	71, 104 71, 116 68, 903 67, 261
Medium establishments: March June September December	4, 117 4, 154 4, 206 4, 174	1,235 1,152 1,209 1,098	5,352 5,306 5,415 5,272		=	- - -
Small establishments:	3, 330	826	4, 156	_	_	_

TABLE 35. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1960 — Continued

	Male	Female	Total	Male	Female	Total
	Metal fabric transport	ating (except ma	chinery and industries	Machinery i	industries (excer machinery)	ot electrical
Large establishments:			numbe	91		
January	58,484	4,658	63, 142	28,372	4 048	
F'ebruary	57, 732 57, 947	4,741	62, 473	28, 519	1,247 1,217	29,619 29,736
Warch	57,947	4,741 4,798	62,473 62,745 63,525	28,688	1, 207	29, 895
April	58,826	4,699	63,525	28,533	1, 189	29, 722
May	60.304	4,714	65,018	20 050	1 100	
June	60,304 61,107 60,388	4, 731	65,838	28, 058 27, 268	1, 192 1, 168	29, 250
July	60,388	4,531	64,919	26, 122	1, 117	28, 436 27, 239
August	61,179	4,636	65,815	22,483	1, 117	23,600
September	59,095	4,682	62 777	22 774	1.004	04 000
October	58, 052 57, 594	4,690	63,777 62,742 62,154	23,774 23,978 24,170 23,912	1,064 1,086	24,838
November December	57,594	4,560	62, 154	24, 170	1, 108	25, 064 25, 278
DOUBLE CONTROL	54,396	4,401	58,797	23,912	1,077	24,989
Medium establishments:						
March June	3,582	274	3,856	-		_
September	3,950 3,923	274 307	4,224 4,230	-	_	_
December	3,569	269	3, 838	_	****	_
		200	0,000	_		_
Small establishments:						
May	5,034	333	E 207	0.004	0.7	
	0,004	333	5,367	2,094	35	2, 129
	Transporta	ation equipment i	ndustries	Electric	cal products indi	ıstries
			numbe			
Large establishments:			numbe	1		
January	83 790	3,403	97 102	27 754	14 200	50 110
r'ebruary	84, 254	3,319	87, 573	37,754 37,497	14,392 14,474	52, 146 51, 971
March	83,790 84,254 85,144 85,018	3, 136	87, 193 87, 573 88, 280	37,449	14, 398	51, 847
April	85,018	3,025	88,043	36,856	14, 286	51, 142
May	84,778	3,044	87,822	36,779	14 222	E1 101
June	84, 089 65, 985 67, 337	2,882	86, 971	36,915	14, 322 14, 280 13, 730	51, 101 51, 195 50, 096
July	65,985	2,882 1,877	86, 971 67, 862	36,366	13, 730	50, 096
August	67,337	2,317	69,654	35,846	14, 168	50,014
September	75,543	2,800	70 242	25 000	14 000	50 400
October	75,522	2,865	78,343 78,387	35,906	14, 226 14, 178	50, 132
November	75,480	2,957	78,437	34, 964 34, 149	13, 773	47 922
December	75,605	3,003	78,608	33,018	13,773 12,953	49, 142 47, 922 45, 971
Medium establishments:						
March	-		-	_		_
June		-	-	-	-	-
September	_	_	-	-	-	_
2000mb01	_	-		-	-	_
Small establishments:						
	000	40				
May	223	45	268	890	581	1,471
	Non-metallic	mineral products	industries	Petroleum an	d coal products	industries
Large establishments:			numbe			
	26 407	1 000	20 220	7 010	- l	
January February	26,497 26,559	1,832 1,772	28,329	7,810 7,746	53 53	7, 863
March	26,853	1,850	28, 331 28, 703	7,762	53	7,799 7,815
April	28,506	1,967	30, 473	7,870	54	7,924
May	30, 199	2,015	32,214	0 105		
June	30, 784	2, 201	32, 985	8, 105 8, 217	54 55	8, 159 8, 272
July	30,507	2, 147	32,654	8,342	55	8, 397
August	30,390	2,138	32,528	8,309	56	8, 365
Santambas	20 000	1 000	21 050	0 114		
SeptemberOctober	29,668 28,697	1,982	31,650	8,114 7,989 7,906	54 54	8, 168
November	27,647	2,014 2,017	30,711 29,664	7, 906	53	8,043 7,959
December	25,552	1,845	27,397	7,844	53	7, 897
Medium establishments:						
March	814	9	823	_	_	_
June	1,360	12	1,372	-	_	_
September	1,302	13	1,315	-	-	nes
December	846	13	859	-	-	
Small antablish a f						
Small establishments:						
May	854	2	856	- 1		_

TABLE 35. Production Workers Employed in the Manufacturing Industries, by Months, Sex and Industrial Groups, 1960 - Concluded

	Male	Female	Total	Male	Female	Total
	Chemical and	chemical produ	cts industries	Miscellane	ous manufacturin	g industries
			num	ber		
Large establishments: January February March April May June July August September October	26, 466 26, 634 26, 839 27, 332 27, 447 27, 376 27, 219 27, 071 26, 495 26, 095	5,074 5,090 5,046 5,071 4,984 5,049 4,906 4,972 4,898 4,941 4,841	31,540 31,724 31,885 32,403 32,431 32,425 32,125 32,043 31,393 31,036 30,460	18,487 18,767 18,849 18,976 19,218 19,354 19,024 19,466	9,764 10,079 10,099 9,803 9,651 9,660 9,599 10,280	28, 251 28, 846 28, 948 28, 779 28, 869 29, 014 28, 623 29, 746 30, 286 29, 636
November	25,619 25,281	4,617	29,898	18,113	9,663	27,776
Medium establishments: March June September December	-		- - - -	1,816 1,967 1,949 1,814	719 700 789 713	2,535 2,667 2,738 2,527
Small establishments: May	841	334	1,175	1,903	607	2,510

Subsection 4. Hours Worked in Manufacturing Industries

Hours Worked by Production Workers. - From 1932, the first year for which figures on hours worked per week by production workers are available, to 1945, each firm was required to report the number of hours worked by all its production workers during the month in which the greatest number had been employed, the only exception being the years 1938 and 1939 when one week in a month of normal employment was reported. In 1938 the number of hours worked per week were compiled by sex, and a change was also made in the analysis of the weekly hours worked. Since 1940 the hours worked per week include overtime while prior to that overtime was excluded. These changes make it impossible to measure accurately the changes in the number of hours worked per week. In any case, the figures in Tables 36 and 37 do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all firms. For a given industry, however, the month of highest employment is more significant as in this case it coincides for a great number of firms engaged in the same industry.

For all production workers, the hours worked per week declined from 48.9 in 1932 to 47.2 in 1939, and reached 50.6 in 1941, some of the increase no doubt being due to the inclusion of overtime. Since then there was a counter movement in the hours worked, especially among females, due to the employment of many workers on a part-time basis. Whereas in 1939 there were only 2.8 p.c. of male and 5.3 p.c. of female production workers working under 30 hours per week, in 1944 these percentages rose to 5.3 and 12.5 respectively. Since the end of the war the normal working week has been dropping steadily. In 1945 average hours per week for male production workers totalled 47.6 and for females 42.7.

The method of collecting statistics on hours worked was changed in 1946. Instead of collecting this information for one week in the month of highest employment which varied from plant to plant, the last week of November was chosen

for the base period. For 1948 and subsequent years the period was changed to the last week in October. The question on hours worked was taken out of the annual schedules used in connection with the census of manufactures and this information is now collected by the Employment Statistics Section. Establishments employing 15 hands or over only are covered. The statistics for 1946 to 1960 are, therefore, not exactly comparable with those for earlier years which include all establishments, both large and small.

On the above basis, the hours worked per week declined for all workers engaged in manufacturing. The hours of male production workers dropped from 44.9 in 1946 to 41.7 in 1960, female production workers from 40.0 to 38.5, male office employees from 42.0 to 38.8 and female office employees from 39.5 to 37.6.

Persons employed in 1950, 1953, 1956 and 1959 were classified on the basis of earnings per week instead of hours worked. For this reason the distribution of employees by hours worked per week is not available for these years. It is the intention in future to classify employees one year on the basis of hours worked, the second year on the basis of weekly earnings, while in the third year no break-down of either the hours worked or weekly earnings will be collected. Instead a more detailed break-down of salaried employees into (a) managerial and professional and (b) office workers will be requested.

Administrative and office employees as a rule work shorter hours than production workers as the following figures for 1960 indicate:

	Production workers	Supervisory and office employees
Both sexes	41.0	38.5
Male	41.7	38.8
Female	38.5	37.6

TABLE 36. Production Workers in Manufacturing, Working Specified Numbers of Hours per Week in the Month of Highest Employment, 1938-451

Note: Hours worked per week in 1934-37 are given at p. 393 of the 1942 edition of the "Canada Year Book", in 1940 and 1941 at p. 392 of the 1943-44 edition.

Hours worked per week	1938	1939	1942	1943	1944	1945
			per cei	nt l		
All production workers:		}				
30 or less	4.1	3.4	4.3	6.2	7.4	7.4
31-43	16.9	14.6	8.6	10.7	12.7	16.2
44	14.3	13.8	7.7	7.4	9.5	12.1
45-47	11.3	10.9	7.0	8.3	9.1	10.8
48	20.7	22.2	21.4	20.5	20.6	21.4
49-50	10.6	11.2	9.2	9.6	9.8	9.8
51 - 54	6.7	7.9	12.9	12.5	10.8	8.4
55	3.5	4.1	5.6	5.2	4.4	3.2
56-64	10.4	10.4	16.9	14.6	11.8	7.6
65 or over	1.5	1.5	6.4	5.0	3.9	3.1
	100.0	100.0	100.0	100.0	100.0	100.0
		2000	100.0	100.0	100.0	100.0
Average hours per week	46.7	47.2	50.2	48.8	47.5	46.2
Male production workers:						
30 or less	3.4	2.8	3.6	4.6	5.3	5.4
31-43	16.6	14.2	7.0	7.9	9.8	13.1
44	13.1	12.7	6.9	6.2	9.0	11.7
45 - 47	10.5	10.0	5.6	7.2	7. 9	9.8
48	21.3	22.8	21.7	21.5	21.5	22.9
49-50	10.0	10.6	8.4	8.8	9.5	10.0
51-54	7.4	8.2	12.6	13.2	11.9	9.5
55	3.6	4.4	5.8	5.7	5.0	3.8
55 - 64	12.3	12.5	20.4	18.3	15.1	9.7
65 or over	1.8	1.8	8.0	6.6	5.0	4.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	47.3	48.1	51.3	50.4	49.1	47.6
Temale production workers:		Y				
30 or less	6.7	5.3	6.2	10.0	12.5	12.3
31-43	17.9	15.8	13.0	17.6	20.1	23.8
44	18.3	17.8	9.9	10.3	10.8	13.2
45 - 47	14.2	13.9	11.1	11.2	12.2	13.2
48	18.8	20.4	20.8	18.2	18.4	17.7
49-50	12.6	13.2	11.5	11.6	10.5	9. 1
51-54	4.5	6.6	13.5	10.7	8.2	5.7
55	3.1	3.5	4.9	4.0	2.9	1.9
56-64	3.5	3.2	7.2	5.3	3.4	2.4
65 or over	.4	.3	1.9	1.1	1.0	.7
	100.0	100.0	100.0	100.0	100.0	100.0
Average hours per week	44.6	45.2	46. 9	44.8	43.6	42. 7

¹ For 1938 and 1939, the hours worked do not include overtime, while for 1940 to 1945 overtime is included.

TABLE 37. Production Workers in Manufacturing, Working Specified Numbers of Hours During the Last Week in October,

1946 - 581

40	Hours worked per week	1946²	19472	1948	1949	1952	1955	1958
20 or less					per cent			
So or less	1) and destion workers	}		1				
10.8	*	6.7	6.7	6.1	6.3	6. 1	5.9	6.
10,8 7,8 8,4 8,5 5,1 8,2 40 11,43 11,5 10,6 10,9 11,1 11,9 11,3 144 14,43 14,6 14,43 15,5 15,6 16,6 16,6 16,7 16,6 16,7 16,6 16,7					3.1	3.5	4. 1	4.
9.9 12.2 13.2 15.3 25.9 32.2 41-43 11.5 10.6 10.9 11.1 11.9 11.3 44 44 44 44 44 44 44		10.8				8. 1	8.2	9.
11.5 10.6 10.9 11.1 11.9 11.3 44 11.5 10.3 18.5 9.3 8.6 6.6 5.9 18.5 18.7 18.8 13.9 11.5 18.5 18.7 18.8 18.8 13.9 11.5 18.5 18.7 18.8 18.8 13.9 11.5 18.5 18.7 18.8 18.8 13.9 11.5 18.5 1		9.9			15.3	25. 9	32.2	38.
10.3 10.3 10.3 10.5 10.7 10.9 10.8 10.7 10.9 10.8 10.7 10.9 10.8 10.7 10.9 10.8 10.7 10.9 10.8 10.7 10.9 10.8 10.7 10.9 10.8 10.7 10.8 10.7 10.8 10.7 10.8 10.7 10.8 10.7 10.8 10.7 10.8 10.7 10.8 10.7 10.8 10.7 10.8 10.7 10.8 10.7 10.8 10.7 10.8 10.9 10.0 100.0			i	1		11.9	11.3	10.
46-47 18.2 18.7 18.9 18.8 13.9 11.5 48 49-50 6.6 6.5 6.1 5.7 5.0 4.2 51-53 5.4 13.7 13.9 13.8 13.9 3.8 5.4 13.3 1.3 1.3 1.3 1.2 55-64 6.6 6.5 6.0 5.9 5.5 65 or over 10.0 100.0 100.0 100.0 100.0 Average hours per week 43.7 43.6 43.3 42.6 42.0 Average hours per week 4.7 4.6 4.4 4.3 4.6 4.4 6.0 9.6 11.9 12.9 15.5 27.3 34.2 6.0 9.2 1.9 15.5 27.3 34.2 6.0 9.2 19.9 10.4 11.3 10.8 6.0 6.5 6.6 6.6 6.6 6.5 6.6 6.6 6.6 6.5 6.6 6.6 6.6 6.5 6.0 5.9 5.5 6.0 5.9 5.6 6.1 5.9 5.5 6.0 5.9 5.6 6.1 5.9 5.5 6.1 5.9 6.2 2.1 2.2 6.3 2.1 2.2 6.4 4.4 6.5 6.6 6.7 6.7 7.0 7.0 6.6 6.6 6.6 7.1 7.0 7.0 6.6 6.6 6.3 7.3 7.1 7.1 6.5 7.5 6.6 7.7 7.1 7.0 7.0 7.2 7.0 7.0 7.3 7.1 7.1 7.4 7.5				1	1	6.6	5. 9	4.
13.7 12.9 11.8 10.7 7.6 6.7			1	1	1	13.9	11.5	9.
49-50				1	10.7	7.6	6.7	5.
1				- (5.7	5.0	4.2	3.
51-53 54		0.0				3.6	3. 4	2.
S5-56-6		5.4		1	1	1.3	1.1	0.
1.1		6.0	1	1	1	5. 5	4.7	3.
Average hours per week		1		i		1.0	0.8	0.
Average hours per week	65 or over				1		100.0	100
30 or less	Average hours per week	43.7	43.7	43. 6	43. 3	42. 6	42. 0	41.
30 or less	t 1 du shi an mash arat							
31 of less	-	4.7	4.6	4.4	4.3	4.6	4.4	4
\$\begin{array}{c c c c c c c c c c c c c c c c c c c		70 5	1 1		1	2.9	3. 5	4
11.9		8.0		1		6.6	6.6	8
41-43		0.6	1	1		27.3	34.2	40
11-4 10.7 8.7 9.7 8.8 6.4 5.9 145-47 18.8 19.7 19.4 19.2 13.9 11.2 14.5 14.5 15.8 15.0 13.9 12.5 8.5 7.5 14.5 15.5 13.9 1				1			10.8	10
44		1	1			1	5.9	4
15.8 15.0 13.9 12.5 8.5 7.5						13. 9	11.2	9
## ## ## ## ## ## ## ## ## ## ## ## ##		1	1			8.5	7. 5	5
\$ \frac{49 - 50}{51 - 53} \\ 51 - 53 \\ 52 \\ 51 - 53 \\ 52 \\ 55 - 64 \\ 65 \text{or over} \\ 65 \text{over} \\ 65 \text{over} \\ 65 \text{or over} \\ 65 \		l .	1			5. 4	4.5	3
51-53 3 1.6 1.5 1.3 1.5 1.3 55-64 7.3 7.8 7.3 7.1 6.5 5.5 65 or over 1.1 1.4 1.2 1.2 1.2 1.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 Average hours per week 44.9 44.9 44.7 44.4 43.4 42.7 Female production workers: 30 or less 13.1 13.7 12.2 12.8 11.9 11.6 31-34 5.5 5.6 5.8 5.9 6.4 35-39 19.7 13.6 15.0 14.6 13.5 14.1 40 10.8 13.4 14.1 14.8 20.9 25.1 41-43 14.6 15.0 14.5 13.3 13.9 13.1 44 8.9 7.8 7.9 7.9 7.4 5.6 45-47 16.1 15.9 17.4 17.5 14.2 12.4 48 7.1 5.7 5.1 4.			1			3. 9	3.6	2
55-64 7.3 7.8 7.3 7.1 6.5 5.5 65 or over 1.1 1.4 1.2 1.2 1.2 1.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 Average hours per week 44.9 44.9 44.7 44.4 43.4 42.7 Female production workers: 30 or less 13.1 13.7 12.2 12.8 11.9 11.6 31-34 5.5 5.5 5.6 5.8 5.9 6.4 35-39 19.7 13.6 15.0 14.6 13.5 14.1 40 10.8 13.4 14.1 14.8 20.9 25.1 41-43 14.6 15.0 14.5 13.3 13.9 13.1 44 8.9 7.8 7.9 7.9 7.4 5.6 45-47 16.1 15.9 17.4 17.5 14.2 12.4 48 7.1 5.7 5.1 4.5 3.9 3.7 49-50 5.0 <t< td=""><td></td><td>6.3</td><td>1</td><td></td><td></td><td>1</td><td>1.3</td><td>1</td></t<>		6.3	1			1	1.3	1
1.1		7 9					5.5	4
Female production workers: 30 or less			3				1.0	0
Average hours per week. Average hours per week. 30 or less. 30 or less. 31. 1	65 or over	i	1		l .			100
Female production workers: 30 or less	Average hours per week	1	1					41
13.1 13.7 12.2 12.8 11.9 11.6								
31-34	Female production workers:							
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	30 or less	13. 1	13.7	12.2	1	1		11
10.8 13.4 14.1 14.8 20.9 25.1	31 - 34	1	5.5	5.6	5.8		1	6
41-43 14.6 15.0 14.5 13.3 13.9 13.1 44 8.9 7.8 7.9 7.9 7.4 5.6 45-47 16.1 15.9 17.4 17.5 14.2 12.4 48 7.1 5.7 5.1 4.5 3.9 3.7 49-50 5.0 4.9 4.1 3.9 3.3 3.3 51-53 2.0 2.0 2.3 2.4 2.3 54 5.0 5.0 5.0 5.0 5.0 6.6 0.6 55-64 2.1 1.9 1.5 2.0 1.9 1.7 65 or over 0.1 0.1 0.1 0.1 0.1 0.2 0.1	35 - 39	19.7	13.6	15.0		1		15
44 8.9 7.8 7.9 7.9 7.4 5.6 45-47 16.1 15.9 17.4 17.5 14.2 12.4 48 7.1 5.7 5.1 4.5 3.9 3.7 49-50 5.0 4.9 4.1 3.9 3.3 3.3 51-53 2.0 2.0 2.3 2.4 2.3 54 2.5 0.5 0.5 0.5 0.5 0.6 0.6 55-64 2.1 1.9 1.5 2.0 1.9 1.7 65 or over 0.1 0.1 0.1 0.1 0.1 0.2 0.1	40	10.8	13.4	14. 1			ł	30
45-47 16.1 15.9 17.4 17.5 14.2 12.4 48 7.1 5.7 5.1 4.5 3.9 3.7 49-50 5.0 4.9 4.1 3.9 3.3 3.3 51-53 2.0 2.0 2.3 2.4 2.3 54 2.5 0.5 0.5 0.5 0.6 0.6 55-64 2.1 1.9 1.5 2.0 1.9 1.7 65 or over 0.1 0.1 0.1 0.1 0.1 0.2 0.1	41-43	14.6	15.0					12
48 7.1 5.7 5.1 4.5 3.9 3.7 49-50 5.0 4.9 4.1 3.9 3.3 3.3 51-53 2.0 2.0 2.3 2.4 2.3 54 2.5 0.5 0.5 0.5 0.6 0.6 55-64 2.1 1.9 1.5 2.0 1.9 1.7 65 or over 0.1 0.1 0.1 0.1 0.1 0.2 0.1		8.9	7.8	7.9	7.9			4
49-50 5.0 4.9 4.1 3.9 3.3 3.3 51-53 2.0 2.0 2.3 2.4 2.3 54 55-64 2.1 1.9 1.5 2.0 1.9 1.7 65 or over 0.1 0.1 0.1 0.1 0.1 0.1 0.2 0.1	45 - 47	16.1	15.9			1		9
51-53 2.0 2.0 2.3 2.4 2.3 54 0.5 0.5 0.5 0.5 0.6 0.6 55-64 2.1 1.9 1.5 2.0 1.9 1.7 65 or over 0.1 0.1 0.1 0.1 0.1 0.2 0.1	48	7.1	5.7			1	1	3
54	49 - 50	5.0	4.9		1			2
55-64			2.0		1			1
65 or over		2.5	0.5	0.5			1	0
100.0	55 - 64	2.1	1.9		I .	1	ī	1
100.0 100.0 100.0 100.0 100.0	65 or over				1	1	£	100
Average hours per week								38

¹ Classified statistics on hours Worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics which are collected every third year cover establishments employing 15 hands or over only.

² Last week in November.

TABLE 38. Average Hours Worked per Week in the Manufacturing Industries of Canada, by Province and Industrial Group, 1946, 1953 and 19601

Note: Hours worked during the intervening years are given on page 74 of the "General Review of the Mr

		Both sexes			Male			Female	
	1946	1953	1960	1946	1953	1960	1946	1953	1960
Administrative and office employees									
Province:									
Newfoundland Prince Edward Island ² Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia	42.6 43.1 43.2 41.5 40.5 42.7 42.9 42.9	41.8 40.5 40.5 40.9 39.2 38.7 39.9 40.7 40.0	41. 3 42. 5 38. 8 39. 6 38. 4 38. 4 38. 8 39. 2 39. 0	43.5 44.1 44.3 42.5 41.3 43.3 43.7 43.6	42.0 41.0 40.9 41.1 39.7 39.2 40.2 41.3 40.4	41.7 43.1 39.3 40.1 38.7 38.7 39.2 39.4 39.3	39.9 40.7 40.9 39.6 39.2 41.1 41.3 41.5	41.0 39.7 39.2 40.6 37.9 37.6 38.8 39.4 38.8	39. 5 41. 2 37. 3 38. 1 37. 5 37. 5 37. 8 38. 6 38. 2
Canada	41.9	39, 4 39, 0	38.7 38.5	42. 4 42. 0	39.7 39.5	39.0 38.8	40.6 39.5	38. 4 37. 9	38. 2 37. 3 37. 6
Industrial group:									
Foods and beverages Tobacco and tobacco products Rubber products Leather products Textle products (except clothing) Clothing (including knitting mills) Wood products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	42.2 41.3 40.4 43.1 41.5 41.5 41.5 43.7 40.9 40.9 42.2 41.6 39.6 41.4 39.5 39.5	40.0 37.3 38.9 39.8 39.7 39.7 39.6 41.2 38.0 37.3 38.9 39.9 39.4 38.6 39.2 37.2 38.3	38.8 37.5 38.5 39.0 38.6 39.1 40.1 37.2 37.2 36.6 39.6 39.6 37.9 38.8 36.4 37.8	43.2 42.1 40.9 44.5 42.6 42.7 45.2 41.6 40.6 41.5 42.4 40.1 42.3 39.9 40.0	40, 6 37, 4 39, 1 40, 6 40, 5 40, 6 42, 1 38, 3 37, 4 39, 3 40, 2 39, 9 38, 8 39, 9 37, 5 39, 4	39, 3 37, 5 38, 7 39, 9 39, 9 40, 9 37, 4 37, 4 37, 4 38, 9 39, 9 38, 1 39, 2 36, 5 37, 9	40, 3 40, 4 39, 2 40, 3 39, 4 39, 4 39, 6 39, 3 40, 5 40, 1 38, 6 39, 2 38, 8 38, 7	38. 4 37. 2 38. 2 37. 9 38. 1 38. 2 38. 5 37. 1 37. 6 38. 8 37. 8 37. 9 37. 7 37. 8	37. 6 37. 4 38. 0 37. 3 37. 5 38. 0 37. 7 36. 5 36. 5 36. 5 37. 7 38. 6 37. 2 38. 3 37. 2 38. 3
Production workers									
Province:									
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia	48.93 46.3 45.7 46.0 45.4 42.8 42.8 44.0 43.2 41.2	43.2 45.8 41.6 42.7 42.8 41.4 40.9 41.2 41.2 39.5	38.9. 41.3 40.7 41.6 41.8 40.9 40.5 40.3 39.9 38.6	47.7° 46.9 48.0 46.7 47.1 44.0 43.8 44.4 43.5 41.5	43.8 46.2 41.7 43.8 44.4 42.0 41.7 41.6 41.7 39.8	39.9 43.6 41.2 42.9 43.0 41.5 41.0 40.6 40.3 39.0	41.9 45.0 43.6 42.9 41.2 38.8 39.6 41.2 41.6 39.2	37. 4 44. 6 41. 2 37. 0 38. 5 38. 7 37. 9 37. 8 38. 1 36. 4	31.1 36.2 37.8 35.2 38.8 38.6 38.8 37.4
Canada	43.7	41.7	41.0	44.9	42. 6	41.7	40.0	38. 5	38. 5
ndustrial group:									
Todacco and beverages Tobacco and tobacco products Rubber products Leather products Textile products (except clothing) Clothing (including knitting mills) Wood products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	43.9 42.9 44.8 42.5 43.8 41.0 45.1 47.1 42.0 44.8 42.3 44.0 41.9 44.4 42.9	42.6 40.5 41.4 38.5 41.1 38.2 43.8 43.6 40.0 42.1 41.5 41.8 44.4 41.6 42.3	41.0 40.0 41.3 39.4 42.4 39.0 42.3 41.8 39.3 41.0 40.5 40.7 42.9 40.6 40.6 40.6	45.7 45.6 45.6 45.8 46.6 44.8 45.4 48.2 43.3 45.0 42.4 42.7 46.6 42.7 45.3 45.3	44. 1 41. 8 42. 3 39. 9 42. 3 40. 6 44. 0 40. 7 42. 2 41. 8 41. 7 42. 8 44. 7 41. 7 42. 9	42.5 41.7 41.8 40.1 43.5 41.1 42.5 42.1 39.8 41.1 40.6 41.0 41.3 43.2 40.6 41.0	38.8 41.4 42.3 40.6 41.3 38.7 41.0 38.5 41.8 40.3 40.3 40.3 40.3 41.0	38.8 39.7 38.6 36.7 38.9 37.3 40.4 40.0 37.9 39.6 38.1 39.8 40.1 40.9	36.9 38.8 39.3 38.5 40.2 38.3 39.4 38.9 37.2 38.8 38.0 39.4 39.4

¹ Statistics on hours worked since 1946 are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over only. For 1946 and 1947 they refer to the last week in November and for 1948 to 1960 to the last week in October.

² Statistics are not available for 1946.

³ The figure is for 1950.

Subsection 5. Earnings in Manufacturing Industries

In 1960, the 36,682 establishments covered, employed 309,644 administrative and office employees and 984,985 production workers, a total of 1,294,629. Out of every 1,000 persons employed in manufacturing, 239 were classed as office employees and 761 as production workers; the former earned 31 p.c. and the latter 69 p.c. of the total amount paid out as remuneration for services.

A notable feature during the past few years was the reduction in the disparity between average annual earnings of office and production workers. Whereas in 1939 average annual earnings of production workers were only 56 p.c. of that paid to office workers, in 1943 the percentage rose to 76, they declined to 69 in 1947 and rose to 70 in 1960. This tendency towards equalization was due, in part, to the controls adopted by the Government during the war years which tended to stabilize earnings of office workers more so than the earnings of production workers. The increase in average earnings of production workers was also influenced by the fact that large numbers were employed in the highly paid iron and steel industries and by the increase in the number of hours worked, some at overtime pay.

Ontario has a larger proportion of females among its office employees than the other provinces. The same situation prevails in Quebec with regard to production workers, due, no doubt, to the textile industries of the Province. The importance

of the textile industries in providing employment to females is strikingly illustrated by the fact that of all female production workers engaged in the manufacturing industries of Canada in 1960, 40 p.c. were found in the textile and clothing groups.

Average earnings of office workers in 1960 amounted to \$5,190 which was \$2,354 or 83 p.c. higher than in 1949. Office employees in Ontario with \$5,378 were the highest paid. Those in British Columbia were second with \$5,314, Quebec third with \$5,135, Alberta fourth with \$4,730 and Newfoundland fifth with \$4,644. The fact that head offices of many large corporations are located in Montreal, Toronto and Vancouver tends to raise the average salary of the provinces in which these cities are located.

Average annual eamings of production workers in 1960 amounted to \$3,655 which was \$1,588 or 77 p.c. higher than in 1949. The manufacturing industries of British Columbia paid the highest average annual wages of \$4,113. Ontario with \$3,906 was in second place, followed by Alberta with \$3,749, Saskatchewan \$3,675, Manitoba \$3,383, Quebec \$3,321, Newfoundland \$3,198, etc. The high figure shown for Yukon and Northwest Territories in regards to average eamings of production workers is due to the unusual conditions under which industry is carried on in these regions, and is not representative. Statistics on the distribution of employees by provinces and industrial groups as well as average annual eamings are given in Table 39.

TABLE 39. Annual Earnings in the Manufacturing Industries, by Provinces and Industrial Groups, 1960 with Totals for Significant Years, 1917-59

WILL LOUIS TO SERVICE STATE OF THE SERVICE STATE STATE OF THE SERVICE ST									
	Ad	ministrative a	and office employe	Production workers					
	Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings	
	numb	er	dollars		number		dollars		
1917	64, 78, 71, 54,379 58,245	334	85, 353, 667 141, 837, 361 129, 836, 831 130, 344, 822 142, 353, 900	1,315 1,811 1,814 1,862 1,890	541, 520, 384, 322,719 374,244	559	412, 448, 177 575, 656, 515 359, 560, 399 404, 122, 853 483, 328, 342	762 1,106 935 968 999	
1929 ² 1930 ² 1931 ¹ 1932 1933	67, 731 64, 161 71, 198 68, 264 67, 875	21, 110 20, 550 20, 293 18, 786 18, 761	175, 553, 710 169, 992, 216 172, 289, 095 151, 355, 790 139, 317, 946	1,976 2,007 1,883 1,739 1,608	454,768 416,790 337,636 288,817 287,266	122, 922 113, 195 99, 513 92, 966 94, 756	601, 737, 507 527, 563, 162 415, 277, 895 322, 245, 926 296, 929, 878	1,042 995 950 844 777	
1934 1935 1936 1937	71,963 76,213 81,409 91,092 95,270	20, 132 21, 717 23, 008 24, 735 25, 319	148, 760, 126 160, 455, 080 173, 198, 057 195, 983, 475 207, 386, 381	1,615 1,638 1,659 1,692 1,719	326, 598 353, 790 379, 977 427, 285 409, 172	101,119 104,944 109,965 117,339 112,255	355, 090, 929 399, 012, 697 438, 873, 377 525, 743, 562 498, 282, 208	830 870 896 965 956	
1939	98, 165 104, 267 117, 251 123, 125 128, 679	26, 607 31, 493 41, 693 54, 062 64, 516	217, 839, 334 241, 599, 761 286, 336, 861 334, 870, 793 388, 857, 505	1,746 1,780 1,801 1,890 2,013	415, 488 491, 439 626, 825 732, 319 762, 854	117, 854 135, 045 175, 409 242, 585 285, 019	519, 971, 819 679, 273, 104 978, 525, 782 1, 347, 934, 049 1, 598, 434, 879	975 1,084 1,220 1,383 1,525	
1944 1945 1946 1947 1948	126, 858 128, 601 127, 002 135, 248 141, 038	65, 700 62, 106 54, 004 55, 852 57, 192	418,065,594 417,857,619 410,875,776 474,693,800 532,594,959	2,171 2,191 2,270 2,484 2,687	744,635 680,620 662,699 721,407 738,721	285, 689 248, 045 214, 451 219, 243 218, 770	1,611,555,776 1,427,915,830 1,329,811,478 1,611,232,166 1,876,773,231	1, 564 1, 538 1, 516 1, 713 1, 960	
1949 1950 1951 1952 1953	157, 516 164, 475 176, 943 188, 235 195, 843	64, 035 66, 578 70, 844 74, 792 78, 382	628, 427, 937 692, 633, 349 816, 714, 604 923, 905, 251 1,016, 679, 409	2, 836 2, 998 3, 296 3, 513 3, 707	732, 457 736, 477 792, 394 810, 060 828, 363	217, 199 215, 767 218, 194 215, 295 224, 863	1,963,462,720 2,078,634,086 2,459,566,313 2,713,714,909 2,940,338,939	2, 067 2, 183 2, 434 2, 647 2, 792	
1954 1955 1956 1957 1958 1959	199, 763 206, 881 216, 295 226, 282 221, 881 220, 871	79, 173 80, 588 85, 002 87, 602 85, 986 85, 178	1,075,101,215 1,147,142,086 1,272,025,985 1,403,401,749 1,469,324,281 1,529,617,999	3,854 3,990 4,222 4,471 4,773 4,998	779, 955 796, 721 831, 336 827, 328 772, 297 785, 971	209, 075 214, 271 220, 387 217, 849 209, 438 211, 936	2, 821, 586, 476 2, 995, 267, 448 3, 298, 666, 205 3, 416, 226, 250 3, 333, 171, 979 3, 543, 455, 707	2, 853 2, 963 3, 136 3, 269 3, 395 3, 551	

TABLE 39. Annual Earnings in the Manufacturing Industries, by Provinces and Industrial Groups, 1960 With Totals for Significant Years, 1917-59 - Concluded

	Ad	ministrative	and office employ	ees¹	Production workers				
Province and group	Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings	
Province, 1960	nun	iber	dollar	S	nun	iber	dollars	5	
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Sask atchewan Alberta British Columbia Yukon and Northwest Territories	1,311 350 3,964 2,876 72,225 110,174 7,052 2,554 7,282 16,393	317 97 1,171 926 26,595 45,052 2,683 936 2,437 5,218	7,560,780 1,336,867 20,330,107 15,445,411 507,397,857 834,859,967 43,961,306 15,120,609 45,966,406 114,840,959 147,558	4,644 2,991 3,959 4,062 5,135 5,378 4,516 4,333 4,730 5,314 4,760	6,955 951 19,827 15,404 244,260 358,529 24,723 8,200 25,172 70,176	906 408 3,644 3,061 90,869 89,712 7,881 1,228 4,266 8,720	25,142,408 2,918,050 71,950,018 56,140,966 1,112,916,617 1,750,816,586 110,302,505 34,643,667 110,373,122 324,527,692 467,945	3, 198 2, 147 3, 065 3, 040 3, 321 3, 906 3, 383 3, 675 3, 749 4, 113 5, 032	
Canada	224, 206	85,438	1,606,967,827	5, 190	774, 276	210,709	3, 600, 199, 566	3, 655	
Industrial Group, 1960									
Foods and beverage industries Tobacco products industries Rubber industries Leather industries Textile industries Knitting mills Clothing industries Wood industries Furniture and fixture industries Paper and allied industries Printing, publishing and allied in-	29, 165 1, 040 3, 665 2, 639 8, 675 1, 462 6, 859 12, 750 4, 942 14, 202	12,033 532 1,519 1,353 3,894 1,211 4,547 2,094 1,670 5,072	190,839,719 8,940,381 26,742,622 18,978,401 62,808,512 12,558,635 56,618,864 57,883,196 29,273,748 119,584,888	4,632 5,687 5,159 4,754 4,997 4,698 4,964 3,899 4,427 6,204	118,395 3,703 11,981 14,208 32,518 5,395 19,479 67,643 24,692 67,792	39,018 4,456 3,146 12,224 16,669 12,697 55,990 2,775 2,902 8,367	510, 144, 095 29, 414, 102 57, 782, 897 64, 940, 554 143, 691, 708 41, 492, 291 170, 595, 017 225, 638, 221 83, 386, 639 339, 039, 377	3, 241 3, 605 3, 820 2, 457 2, 921 2, 293 2, 260 3, 204 3, 022 4, 452	
dustries Primary metal industries Metal fabricating (except machinery and transportation equipment	18,095 14,217	11, 395 3, 490	136, 815, 795 106, 133, 754	4,639 5,994	35,315 71,616	8,889 702	185, 972, 226 348, 448, 782	4, 20 7 4, 81 8	
industries	19, 186	6,458	134, 146, 395	5, 231	67,574	5, 287	294, 591, 986	4,043	
trical machinery	10,580 21,602 20,102	3,466 5,478 6,816	75, 094, 701 156, 782, 089 148, 452, 128	5,346 5,790 5,515	28, 263 79, 451 37, 033	1, 186 2, 886 14, 697	124, 332, 981 361, 570, 697 200, 136, 099	4, 222 4, 391 3, 869	
dustries	7,027	1,964	44, 914, 569	4,996	30,607	2,008	128, 523, 531	3,941	
dustries	4,970	1,485	41, 416, 555	6,416	8,004	54	44,030,356	5,464	
industries	14, 224	6,905	115,006,108	5,443	27,783	5, 357	138, 225, 011	4, 171	
tries	8,804	4,056	63,976,767	4,975	22,824	11,399	108, 242, 996	3, 163	

¹ The increase in the number of office employees in 1931 is due to the following changes in method: 1. Prior to 1931 working proprietors, such as bakers, sawmill operators, small clothing manufacturers, etc., were considered as production workers. In 1931 and subsequent years, however, all such proprietors were considered as office employees. 2. In 1931 travelling salesmen who were attached to the plant, and devoted all or the greater part of their time to selling the products of that plant, were included with office employees. Prior to this they were not reported at all.

¹ The averages of the number of production workers and earnings for the years 1931 to 1960 are strictly comparable with those for the years up to 1925 but not with those for the intervening years. The figures for the latest years—as for the earliest—represent the earnings for complete manyears of work, with no allowance for periods of unemployment. The difference amounts only to about 3 or 4 p.c. in the total figures and affects chiefly the seasonal industries.

Average Annual Earnings in the Forty Leading Industries. -Variations in average earnings are related to the number of employees in industries or areas where pay levels are above or below the average because of differences in basic pay rates, in sex and occupational distributions, in amounts of bonus or commission payments, levels of activity, etc. The earnings of salaried men are substantially higher, on the average, than those of other categories, mainly because their numbers include relatively highly-paid managerial and professional workers. Women's earnings are generally well below those of men in the same industry, chiefly as a result of pay differentials, occupational differences, the greater incidence of part-time work and absenteeism among women, and their higher proportions of younger and less experienced workers.

In 1960 there were seven industries paying office workers \$6,000 or over, as compared with three in 1958 and none in 1956. Indicative of the rapidly changing pattern of remuneration in manufacturing is the fact that in 1945, the last year of the war, no industry paid office workers annual salaries of over \$3,000. The highest average earnings in that year were \$2,935 reported by the brewing industry. Highest average earnings in 1957, amounting to \$6,121 were received by the administrative and office employees of the pulp and paper industry which has held the premier position for a number of years. This was the first year that any industry averaged over \$6,000 in annual earnings. In 1960 there were seven industries in this category, viz., pulp and paper \$6,828, breweries \$6,684. petroleum refining \$6,473, iron and steel mills \$6,400, motor vehicle manufacturers \$6,358, smelting and refining \$6,219 and railroad rolling stock \$6,060. There were ten industries with annual averages of \$5,500 to \$6,000, twelve with averages of \$5,000 to \$5,500, nine with averages of \$4,000 to \$5,000 and only two with annual averages below \$4,000. Of these two industries sawmills had the lowest average of \$3,323, followed by bakeries with \$3,693. Average salaries in the forty leading industries totalled \$5,340 in 1960 as compared with \$4,932 for the smaller industries. This lower average is due in part to a higher proportion of female office workers in the smaller industries. In the forty leading industries 26 p.c. of the office employees were female while in the smaller industries 31 p.c. were in this category.

The increase in the average earnings of production workers since 1945 paralleled that of administrative and office employees. Whereas in 1945 there were only four industries averaging over \$2,000, in 1957 none of the forty leading industries averaged below this figure. In 1945 the highest annual earnings, amounting to \$2,365, were paid by the motor

vehicle industry, while in 1960 the highest earnings which totalled \$5,554 were paid by the petroleum refining industry. The highest earnings are usually paid by industries in which the proportion of skilled workers is high. In 1960 there were four industries with annual averages exceeding \$5,000, while five others had averages of \$4,500 to \$5,000. These industries were: petroleum refining \$5,554, iron and steel mills \$5,113, motor vehicle manufacturers \$5,072, manufacturers of industrial chemicals \$5,004, smelting and refining \$4,931, breweries \$4,886, pulp and paper \$4,880, rubber tire and tube manufacturers \$4,548 and printing and publishing \$4,537. In eleven other industries annual earnings averaged between \$4,000 and \$4,000 in fourteen between \$3,000 and \$4,000 and in the

remaining six below \$3,000. This last group includes industries made up of a large number of small establishments and in which the proportion of female workers is high. Men's factory clothing \$2,303, shoe factories \$2,356, women's factory clothing \$2,401, fruit and vegetable canners and preservers \$2,498, cotton yam and cloth mills \$2,881 and the household furniture industry \$2,944 are the industries in this category. Average annual eamings of production workers in the forty leading industries amounted to \$3,891 as compared with \$3,230 for the smaller industries. The lower average for the smaller industries is due mainly to a higher proportion of female workers. Employment, by sex, and average annual eamings in the forty leading industries are given in Table 40.

TABLE 40. Annual Earnings in the Forty Leading Industries, 1960

Note: Industries ranked according to the aggregate salaries and wages paid

		Administrative and office employees				Production workers				
No.	Industry	Male	Female	Total earnings	Average annual earnings	Male	Female	Total earnings	Average annual earnings	
1400		number		dollars		nun	ber	dollars		
1	Fulp and paper mills	9,569	2,856	84,844,005 6,828		52,172 1,018		259.565.841	4,880	
2	Iron and steel mills	5,055	1,333	40,080,884	6,400	29,906	178	153,811,854	5,113	
	Smelting and refining	4,919	655	34,667,270	6,219	24,088	46	119,015,068	4,931	
4	Sawmills including shingle mills	7,317	840	27,108,541	3,323	38,220	230	125,976,017	3,276	
5	Motor vehicle manufacturers	5.878	1,388	46,196,935	6,358	20,081	336	103,551,231	5,072	
6	Printing and publishing	9,493	5,587	68,826,856	4,564	14,267	2,089	74,214,735	4,537	
7	Aircraft and parts manufacturers	7,376	2,119	53,787,911	5,665	17,132	429	77,754,790	4,428	
8	Miscellaneous machinery and equipment manu-							=4 840 000	4 100	
	facturers	7,126	2,402	49,278,843	5,172	17,390	688	74,513,280	4,122	
9	Bakeries	4,221	1,240	20,165,577	3,693	23,887	7,844	97,211,753	3,064	
10	Slaughtering and meat packing	4,200	1,363	29,636,649	5,327	16,388	3,995	85,408,056	4,190 3,816	
11	Communications equipment manufacturers	6,138	2,024	45,718,804	5,601	8,071	6,748	56,546,545 63,668,771	3,816	
12	Printing and bookbinding	4,265	2,055	29,758,400	4,709	12,576	4,593		4,113	
13	Metal stamping pressing and coating industry	3,584	1,370	27,383,694	5,528	14,086	1,768	65,201,823 53,458,818	5,004	
14	Manufacturers of industrial chemical	4,455	1,233	32,983,829	5,799	10,626	57	53,456,010	5,004	
15	Manufacturers of electrical industrial equip- ment	5,310	1.582	40,032,102	5,804	8,659	1,528	44,116,129	4,331	
16	Pasteurizing plants	2,629	1,500	16,788,286	4,066	17,114	588	67,142,586	3,793	
17	Petroleum refining	4,722	1,402	39,639,873	6,473	7,222	54	40,411,408	5,554	
18	Railroad rolling stock	2,356	264	15,877,812	6,060	15,603	33	61,192,037	3,914	
	Men's clothing factories	2,407	1,538	19,100,977	4,842	7,470	17,322	57,088,745	2,303	
	Motor vehicle parts and accessories manu-	-,								
20	facturers	2,644	896	20,726,500	5,855	9,923	1,939	52,919,528	4,461	
21	Women's clothing factories	1,899	1,521	18,877,397	5,520	5,040	17,551	54,247,672	2,401	
22	Fabricated structural metal industry	3,234	769	22,787,093	5,693	11,161	31	50,245,098	4,489	
23	Household furniture industry	3,090	883	16,915,579	4,258	15,068	1,488	48,744,380	2,944	
24	Shipbuilding and repairs	2,136	509	13,443,035	5,082	12,382	34	51,029,086	4,110	
25	Miscellaneous metal fabricating industry	2,905	1,023	20,110,801	5,120	9,716	1,138	42,208,654	3,889	
26	Synthetic textile mills	2,735	990	19,673,706	5,282	8,932	2,444	36,281,725	3,189	
27	Sash door and planing mills (except hardwood	3,108	602	15,823,639	4,265	12,947	161	39,404,110	3,006	
28	Wire and wire products manufacturers	2,077	866	16,014,133	5,441	8,106	856	37,910,286	4,230	
28	Cotton yarn and cloth mills	1,936	869	12,853,869	4,582	9,650	4,386	40,433,561	2,881	
30	Shoe factories	1,653	892	11,600,762	4,558	8,902	8,785	41,664,250	2,356	
31	Agricultural implements	2,461	589	17,603,937	5,772	7,816	63	35,171,512	4,464	
32	Fruit and vegetable canners and preservers	2,162	1,088	15,156,216	4,663	.7,023	6,335	33,370,153	2,498	
33	Manufacturers of major appliances (electric								0.00=	
00	and non-electric)	2,382	823	16,356,947	5,104	7,509	513	31,579,261	3,937	
34	Breweries	1,548	500	13,688,768	6,684	5,778	38	28,416,248	4,886	
35	Veneer and plywood mills	965	250	6,953,485	5,723	8,258	1,491	34,539,544	3,543	
36	Miscellaneous food manufacturers		1,261	17,748,648	5,456	4,519	3,024	23,513,356	3,117	
37	Lithographing	i	804	11,542,548	5,427	4,790	1,760	27,347,575	4,175	
38	Rubber tire and tube manufacturers	i	591	11,649,661	5,388	5,629	282	26,880,988	4,548	
39	Other paper converters		874	12,784,235	5,300	4,781	2,507	25,542,892	3,761	
40			694	11,424,263	5,469	5,684	1,021	25,217,402	3, 761	
	Totals, forty leading industries		50,045	1,045,612,470		528, 572	105,391	2, 466, 516, 768 1, 133, 682, 798		
	Totals, other industries	78,432	35,393	561, 355, 357	4, 932	245,704	105, 318			
	Totals, all industries	224, 206	85, 438	1,606,967,827	5, 190	774,276	210,709	3,600,199,566	3,655	

Average Annual, Weekly and Hourly Earnings. - Statistics on employment and earnings are compiled in two separate divisions of the Bureau, viz. the Industry and Merchandising Division and the Labour Division. The Industry and Merchandising Division collects from every manufacturer once a year details of the number of persons employed and total payments made during the calendar year, classified by sex. This data is also classified into (a) administrative and office employees and (b) production and related workers. The office employees reported is the average for the year, while in the case of production workers, manufacturers report the number of workers receiving pay during the last pay period of each month and the monthly average is calculated in the Bureau. We thus have statistics on employment broken down by sex with separate figures on the amounts paid to (a) administrative and office employees referred to as Office Employees and (b) production and related workers referred to as Production Workers. Average annual earnings, not broken down by sex, are, therefore, available for these two classes of employees,

Statistics on weekly and hourly earnings as well as hours worked per week are compiled by the Employment Section of the Labour Division. In addition to the monthly surveys on employment, payrolls and man-hours which covers all sectors of the economy, there is an annual survey on earnings and hours worked in the last week of October, covering the larger manufacturing establishments. Each year statistics of earnings and hours of male and female wage-earners and salaried employees are obtained, with additional detail collected in a three-year cycle since 1949. In 1959, as in 1956, 1953 and 1950 a distribution of wage-earners and salaried employees by amounts earned in the survey week was made. The first two inquiries had required distributions in \$5 intervals to \$60 per week, in \$10 intervals thereafter, with an upper class of \$100 and over while the 1956 and 1959 survey called for distributions in \$10 intervals to \$150 a week. In 1955, a distribution of wage-earners in a given range of hours was obtained while, in 1954, information for office and clerical workers was segregated from that for managerial, professional and other salaried personnel. The annual and monthly surveys cover establishments usually employing 15 or more persons and include almost 90 p.c. of all employees in manufacturing as reported to the Annual Census of Manufactures.

Establishments co-operating in the annual surveys are asked to furnish material for all full-time, casual and part-time employees receiving pay in the last week in October, except home-workers. Proprietors, firm members, pensioners, and staffs of separately-organized sales offices are excluded. Establishments closed in the week because of labour disputes usually report for the nearest week of operation. Men and women are grouped as (1) wage-earners, defined generally as production workers, including working foremen, route-drivers, shipping and maintenance staffs, and related employees, and (2) salaried employees, comprising general office and clerical workers in the office and plant, executive, administrative and professional personnel, and travelling salesmen directly responsible to the plant administration. Hours and earnings in the week are required for workers of both sexes in each category.

The reported hours include full-time, short-time and overtime hours worked and any hours of paid absence in the week. The earnings cover the gross payrolls before deductions for taxes, unemployment insurance contributions, etc., including time, piece-work and commission earnings, regularly-paid incentive, cost-of-living and other bonuses, overtime earnings, and payments to persons absent with pay during the survey week.

While establishments differ to some extent in their classification of certain categories of employees, the proportions of salaried employees in the various industries and areas are generally related to the type and scale of operations. Where plants are typically small, as in Saskatchewan, proprietors and firm members (excluded from the surveys) frequently undertake managerial and office duties that in larger establishments require substantial staffs. On the other hand, large and multiple plant organizations and those requiring many professional workers, such as printing and publishing, employ above-average proportions of salaried personnel. Where travelling salesmen

and associated office workers appear on the plant payroll, salaried workers are relatively more numerous than where separate sales offices are maintained. The proportions of employees reported as salaried staff and as wage-earners are affected by seasonal and market conditions and by other factors contributing to variations in production levels, which usually cause sharper fluctuations in numbers of wage-earners than of salaried employees.

Inter-industry and area variations in hours, as well as year-to-year changes, result from a variety of causes. These include (1) the length of the standard work week, (2) the number of casual and part-time workers and the hours they worked in the reported week, (3) amounts of overtime worked, and of time lost through absenteeism, labour turnover, industrial disputes, lay-offs, etc., (4) differing occupational requirements, and (5) varying proportions of men and women. Women generally average substantially less time than men. Their standard work week tends to be shorter, relatively small proportions of women are employed in industries where the work week is above-average, and they have a higher incidence of part-time work and of absenteeism.

Differences in average earnings are related to the distributions of employees in industries or areas where pay levels vary from the average because of variations in basic pay rates, in sex and occupational distributions, in amounts of bonus or commission payments, in levels of activity, etc. The earnings of salaried men are substantially higher, on the average, than those of other categories, mainly because their numbers include relatively highly-paid managerial and professional workers. Women's earnings are generally well below those of men in the same industries, chiefly as a result of pay differentials, occupational differences, the greater incidence of part-time work and absenteeism among women, and their higher proportions of younger and less experienced workers.

There are a few minor differences in the coverage and wording used by the two divisions. The terms "administrative and office employees" and "production and related workers" used by the Industry and Merchandising Division in its annual survey of manufactures corresponds more or less to the terms "salaried employees" and "wage-earners" used by the Employment Section of the Labour Division. There are, however, two minor differences in the two surveys. The Industry and Merchandising Division includes working proprietors with office employees while the Labour Division excludes them from their surveys. In the case of travelling salesmen attached to the plant the Labour Division includes them with salaried employees while the Industry and Merchandising Division does not consider them as being employed in manufacturing.

Prior to 1946 statistics on weekly and hourly earnings as well as hours worked by production workers were collected by the Industry and Merchandising Division in the annual survey of manufactures. Since then this phase of the work was taken over by the Employment Section of the Labour Division and was also expanded to include office employees.

The figures for the years 1934 to 1945 given in Table 42 are based on an analysis of a pay-list covering one week in the month of highest employment. For this reason the figures do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all the firms. For a particular industry, however, the month of highest employment is more significant as in such a case it coincides for a great number of firms engaged in the same industry. The figures since 1946 are based on returns received from establishments employing 15 hands or over, and for 1946 and 1947 they refer to the last week in the month of November, whereas for 1948-1960 they refer to the last week in the month of October.

As mentioned above, average annual earnings in manufacturing, classified by sex, are not directly available. To calculate annual earnings by sex, the weekly earnings compiled by the Employment Section are correlated with the employment and payroll data obtained by the annual survey of manufactures. The following example will illustrate the method that is used.

In 1949 the paper products group, according to the annual census of industry, reported 9,077 male and 3,573 female office employees with total payments of \$46,537,336. From the October survey on weekly earnings this groups showed \$77.41 per week for male and \$34.88 per week for female office employees. The proportion of female to male earnings is therefore .451 $\left\{\frac{$34.88}{\$77.41}\right\}$ Female employees are first reduced to a male basis and the calculation is then as follows:

Annual Earnings of Male Employees

$$\frac{\$46,537,336}{9,077+.451\ (3,573)} = \frac{\$46,537,336}{10,688} = \$4,354$$
 Annual Earnings of Female Employees
$$\$4,354 \times .451 = \$1,964$$

In the foregoing calculation the assumption is made that annual earnings of male and female employees vary in the same proportion as their weekly earnings. In the above illustration it may also be noted that the calculated annual earnings for male employees amounting to \$4,354 are higher than the weekly earnings multiplied by 52 which total only \$4,025 (\$77.41 x 52). This difference is due to the fact that the earnings reported to the Census of Manufactures include payments to executives as well as bonuses to employees which are usually paid at the end of the year, while the earnings reported for the one week in the year exclude such payments.

Average Annual, Weekly and Hourly Earnings of Production Workers. — Average weekly earnings of male production workers for manufacturing as a whole amounted to \$80.34 in 1960, an increase of \$33.01 or 70 p.c. as compared with 1949. Average hourly earnings advanced from \$1.07 in 1949 to \$1.93 in 1960,

an increase of 80 p.c., while annual earnings at \$4,047 were 77 p.c. higher. There are wide regional and industrial variations in hourly earnings. British Columbia is the highest paying province, hourly earnings for male production workers being \$2.25 in 1960 as compared with \$1.93 for Canada as a whole. Ontario with \$2.02 was second while Prince Edward Island with \$1.21 was the lowest. On an industrial basis, male production workers in the products of petroleum and coal group of industries were the highest paid, with an hourly average of \$2.54, while the leather products group with \$1.43 was the lowest.

Female production workers received on an average \$43.96 per week, an increase of 62 p.c. since 1949. Hourly earnings at \$1.14 were 68 p.c. higher, while annual earnings at \$2.214 were also 68 p.c. higher. In the case of females, British Columbia with \$1.42 was also the highest paying province, while Newfoundland with 66 cents per hour was the lowest. The tobacco and tobacco products group with \$1.64 per hour paid the highest wages to its female production workers, while the leather products group with 97 cents per hour was the lowest paying group. Both male and female production workers in the leather products group received the lowest hourly earnings in the manufacturing field.

Annual, weekly and hourly earnings of female production workers since 1949 did not increase to the same extent as those of male production workers. The increase in annual earnings of females was 8.2 p.c. less, weekly earnings 8.0 p.c. less and hourly earnings 12.8 p.c. less.

The following table gives the weekly and hourly earnings of male and female production workers in each province and major industrial group during 1960.

TABLE 41. Average Weekly and Hourly Earnings of Male and Female Production Workers, by Provinces and Industrial Groups, 1960

	Male earr	nings	Female earnings		
Province and industrial group	Weekly	Hourly	Weekly	Hourly	
		dolla	ırs		
Province					
Newfoundland	70.80	1.77	20.52	0.66	
Prince Edward Island	52. 54	1.21	25,02	0.69	
Nova Scotia	68.26	1.66	29, 23	0.77	
New Brunswick	67.60	1.58	29. 07	0.83	
Quebec	75.93	1.77	41.85	1.08	
Ontario	83.79	2.02	46, 80	1, 21	
Manitoba	75.90	1.85	40.82	1.05	
Saskatchewan	77.00	1.90	47.60	1. 25	
Alberta	75.96	1. 97	49.65	1. 33	
British Columbia	87.75	2, 25	50.71	1.42	
Canada	80. 34	1. 93	43.96	1. 14	
Industrial group					
Foods and beverages Tabacco and tobacco products Rubber products Leather products Leather products Clothing, including knitting mills Wood products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products	72. 50 85. 01 81. 71 57. 40 63. 08 64. 99 67. 78 92. 58 93. 02 86. 97 83. 94 87. 76 82. 84 79. 70 103. 16 86. 14	1. 71 2. 04 1. 95 1. 43 1. 45 1. 58 2. 20 2. 34 2. 11 2. 07 2. 14 2. 01 1. 66 2. 20 1. 60 2. 20 2. 34 2. 10	40, 88 63, 81 49, 91 37, 34 46, 20 39, 21 47, 05 46, 64 44, 55 57, 07 58, 73 43, 20 57, 02 55, 81 47, 81	1. 11 1. 64 1. 27 0. 97 1. 11 1. 02 1. 20 1. 20 1. 47 1. 55 1. 10 1. 45 1. 42 1. 42 1. 42	

TABLE 42. Average Annual, Weekly and Hourly Earnings of Production Workers, Employed in the Manufacturing Industries, 1934-60

Note: Butter and cheese factories and fish curing and packing plants are excluded in the years 1938 to 1945, while sawmills are also excluded in 1945. By including sawmills, weekly earnings in 1945 would have been about \$34.35 for male wage-earners.

Year	All p	roduction w	orkers	1	Male worker	S	F	emale worke	ers
1 Cal	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
					dollars				
1934 1935 1936 1937	830 870 896 965	18.30 18.50 18.96	0.37 0.38 0.39	930 966 995	20.31 20.41 20.92	0.41 ² 0.41 ² 0.42 ²	539 750 577	11.80 12.04 12.20	0. 25 ² 0. 26 ² 0. 26 ²
1938	956	19.49	0.42	1,055	21.49	0.45	594	12.10	0.27
1939 1940 1941 1942 1943	975 1,084 1,220 1,383 1,525	20. 14 22. 35 24. 95 28. 18 29. 87	0.43 0.45 0.49 0.56 0.61	1,076 1,202 1,355 1,558 1,726	22. 23 24. 82 27. 72 31. 75 33. 80	0.46 0.49 0.54 0.62 0.67	619 655 736 854 987	12.78 13.52 15.05 17.41 19.33	0.28 0.27 0.32 0.37 0.43
1944 1945 1946 1947 1948	1,564 1,538 1,516 1,713 1,960	31.05 30.98 32.38 37.19 41.25	0.65 0.67 0.74 0.85 0.95	1,761 1,739 1,702 1,909 2,175	34.95 35.04 36.23 41.35 45.73	0.71 0.74 0.81 0.92 1.02	1,051 984 943 1,067 1,233	20.89 19.84 20.08 23.11 25.91	0.48 0.47 0.50 0.58 0.65
1949 1950 1951 1952 1953	2,067 2,183 2,434 2,647 2,792 2,853	42.61 45.94 51.32 55.17 56.75 57.99	0.98 1.06 1.22 1.30 1.36 1.40	2, 291 2, 419 2, 693 2, 915 3, 082 3, 145	47.33 50.93 56.46 60.85 62.71 63.98	1.07 1.14 1.31 1.40 1.47	1,315 1,376 1,492 1,638 1,723 1,764	27.18 29.00 31.27 34.17 35.07 35.90	0.68 0.73 0.83 0.86 0.91 0.93
1955 1956 1957 1958 1959	2,963 3,136 3,269 3,395 3,551 3,655	60.53 63.97 65.31 67.85 71.35 72.39	1.44 1.53 1.61 1.65 1.72 1.77	3, 267 3, 458 3, 609 3, 749 3, 929 4, 047	66.86 70.67 72.21 75.03 79.20 80.34	1.57 1.66 1.75 1.80 1.88	1,833 1,923 1,974 2,092 2,149 2,214	37.52 39.29 39.49 41.90 43.36 43.96	0.95 1.00 1.05 1.08 1.11 1.14

¹ Statistics on weekly and hourly earnings are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau. These statistics cover establishments employing 15 hands or over. For 1946 and 1947 they refer to the last week in November and for 1948 to 1959 to the last week in Cotober. Annual earnings are calculated. See text on pages 87 and 88, ³ Estimated on the basis of hours worked by female workers in 1938 and 1939 as compared with those worked by male workers in these years.

TABLE 43, Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946 - 601

(Statistics for the years 1938-45 are published on page 60 of the 1950 "General Review of the Manufacturing Industries of Canada")

	All production workers			Male workers			Female workers		
Province and Year	Annual	Weekly	Hourly	Annual	Weekly dollars	Hourly	Annual	al Weekly	Hourly
Newfoundland: 1949 1950 1950 1951 1951 1953 1955 1956 1956 1957 1958 1959	2,392 2,626 2,350 2,549 2,752 2,861 3,159 2,989 3,090 3,198	46.52 52.37 57.11 56.93 59.89 60.42 56.77 62.25 65.06	0.99 1.15 1.32 1.37 1.46 1.57 1.51 1.61	2,919 2,613 2,735 3,053 3,154 3,464 3,263 3,334 3,483	50.85 56.80 60.50 61.17 65.52 65.68 61.91 67.26	1. 07 1. 23 1. 38 1. 46 1. 56 1. 67 1. 62 1. 70	1,016 852 911 1,035 921 1,005 1,034 1,014	17.72 18.51 20.13 20.72 19.12 19.04 19.58 20.43 20.52	0.42 0.46 0.54 0.55 0.57 0.69 0.61 0.66
Prince Edward Island: 1946 1949 1951 1953 1956 1956 1957 1958	911 1,145 1,312 1,616 1,607 1,679 1,864 1,940 2,005 2,147	21.51 29.76 34.10 38.07 39.76 42.03 39.69 42.90 45.53 44.21	0.46 0.62 0.74 0.83 0.90 0.94 1.02 1.01 1.13	1,097 1,323 1,521 1,846 1,857 1,962 2,181 2,292 2,323 2,549	25. 42 33. 96 38. 33 42. 94 45. 82 47. 92 45. 81 50. 98 52. 03 52. 54	0.54 0.71 0.83 0.93 1.02 1.05 1.13 1.13	555 718 808 1,032 940 1,052 1,110 1,061 1,203 1,213	12.87 18.45 20.34 24.02 23.17 25.69 23.34 23.60 26.93 25.02	0.29 0.40 0.46 0.54 0.55 0.61 0.68 0.65 0.77

¹ The average annual earnings are calculated on the basis of the total amount paid during the year as reported to census of industry, while the Weekly earnings are based on an analysis of the pay-list for the last week in October and only cover establishments employing 15 hands or over. The drop in the average annual earnings is due in part to these factors as well as to the fact that in 1951 statistics for the processing of fish in Newfoundland were included with manufactures for the first time. As this is a seasonal industry annual earnings are, therefore, lower. In 1951 average annual earnings of production workers for both sexes for this industry averaged \$1,151 as compared with \$2,806 for the other industries of the pro-

^{..} Not available.

^{..} Not available.

TABLE 43. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-60 - Continued

	All pr	oduction wo	rkers	ı	Male workers	,	F	emale worke	rs
Province and year	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
Nova Scotia: 1946 1949 1951 1953 1955 1956 1956 1957 1958	1, 398 1, 810 2, 024 2, 313 2, 446 2, 608 2, 733 2, 824 2, 953 3, 065	31. 44 39. 56 44. 77 49. 27 51. 53 53. 61 56. 50 57. 27 61. 74 62. 24	0.69 0.89 1.03 1.18 1.25 1.30 1.41 1.49 1.53	1,502 1,959 2,179 2,494 2,641 2,821 3,024 3,074 3,232 3,364	dollars 33.90 42.87 48.30 55.62 58.19 61.70 62.31 67.49 68.26	0.74 0.96 1.11 1.27 1.34 1.41 1.50 1.62	762 911 998 1,100 1,173 1,255 1,237 1,386 1,406 1,440	17. 18 19. 94 22. 14 23. 45 24. 70 25. 88 25. 24 28. 09 29. 35 29. 23	0.39 0.47 0.52 0.57 0.62 0.63 0.65 0.69 0.73
New Brunswick: 1946 1949 1951 1953 1955 1956 1957 1958 1959	1, 390 1, 823 2, 087 2, 326 2, 414 2, 587 2, 746 2, 786 2, 879 3, 040	30.54 38.64 46.87 49.93 54.37 57.61 57.12 58.78 60.43 61.48	0.66 0.85 1.06 1.17 1.26 1.32 1.40 1.38 1.43	1,528 1,983 2,275 2,534 2,628 2,826 2,994 3,052 3,154 3,358	33.58 42.18 51.42 54.48 58.82 62.65 61.97 64.36 65.72 67.60	0.72 0.91 1.13 1.24 1.34 1.41 1.49 1.48 1.54	781 1,114 1,188 1,234 1,267 1,325 1,359 1,404 1,467 1,444	17. 16 23. 71 26. 86 26. 51 28. 33 29. 36 28. 11 29. 61 30. 53 29. 07	0.40 0.57 0.69 0.72 0.73 0.73 0.73 0.77 0.80 0.83
Quebec: 1946 1949 1951 1955 1955 1956 1957 1958 1959	1,445 1,907 2,216 2,558 2,695 2,858 2,973 3,064 3,203 3,321	30. 51 39. 61 47. 26 52. 48 55. 84 59. 39 59. 93 61. 74 64. 99 66. 47	0.67 0.89 1.10 1.23 1.29 1.38 1.45 1.45 1.54	1,660 2,171 2,528 2,911 3,061 3,246 3,380 3,483 3,652 3,781	34.95 45.19 53.58 59.72 63.69 67.56 68.24 70.50 74.55 75.93	0.74 0.98 1.20 1.35 1.43 1.52 1.60 1.64 1.71	926 1, 246 1, 385 1, 592 1, 708 1, 798 1, 852 1, 944 1, 944 2, 083	19, 49 25, 93 29, 37 35, 53 37, 46 37, 38 39, 37 40, 74 41, 85	0.47 0.65 0.78 0.85 0.89 0.94 0.99 1.02 1.05
Ontario: 1946 1949 1951 1951 1955 1956 1957 1958 1958 1959 1960	1,552 2,187 2,602 2,980 3,166 3,349 3,483 3,633 3,633 3,814 3,906	33. 26 44. 34 53. 87 59. 34 63. 25 66. 87 71. 45 75. 10 76. 13	0.78 1.04 1.30 1.44 1.52 1.62 1.70 1.74	1,738 2,405 2,848 3,257 3,457 3,662 3,811 3,974 4,181 4,284	37. 09 48. 88 58. 60 65. 00 69. 25 73. 39 75. 38 78. 32 82. 58 83. 79	0.84 1.12 1.38 1.55 1.64 1.75 1.84 1.88 1.98 2.02	963 1,400 1,635 1,992 1,998 2,080 2,134 2,277 2,346 2,395	20.53 28.45 33.66 37.74 40.06 41.69 42.25 44.87 46.35 46.80	0.53 0.72 0.89 0.98 1.02 1.07 1.11 1.15 1.18
Manitoba: 1946 1949 1951 1953 1955 1956 1957 1958 1959	1, 491 1, 900 2, 270 2, 619 2, 762 2, 937 2, 986 3, 146 3, 333 3, 383	31.16 41.06 48.46 53.48 57.10 59.19 60.72 63.75 67.34 67.45	0.73 0.95 1.17 1.31 1.37 1.44 1.52 1.56 1.64	1, 662 2, 114 2, 532 2, 925 3, 090 3, 273 3, 345 3, 512 3, 721 3, 808	34.51 45.39 53.21 59.21 63.38 65.65 67.60 70.94 75.34 75.90	0.79 1.02 1.26 1.42 1.50 1.57 1.66 1.72 1.81	949 1,222 1,382 1,580 1,666 1,784 1,766 1,896 2,002 2,049	19.72 26.24 29.07 31.98 34.19 35.76 35.70 38.29 40.55 40.82	0.50 0.66 0.76 0.84 0.87 0.91 0.96 0.99 1.04
Saskatchewan: 1946 1949 1951 1953 1956 1956 1957 1958 1959 1960	3,646	32.78 41.34 49.18 56.33 60.13 62.13 64.78 68.13 72.86 73.02	0.75 0.98 1.19 1.37 1.45 1.53 1.62 1.68 1.77	1,531 2,142 2,473 2,909 3,181 3,275 3,475 3,619 3,796 3,867	63.70 65.62 68.54 71.88	0.77 1.01 1.23 1.41 1.51 1.59 1.69 1.76 1.83 1.90	1,007 1,384 1,568 1,865 1,797 1,909 2,068 2,244 2,509 2,390	22. 45 27. 99 32. 69 37. 62 36. 00 38. 23 40. 79 44. 56 50. 33 47. 60	0.55 0.71 0.85 1.00 0.99 1.02 1.13 1.15 1.27
Alberta: 1946 1949 1951 1953 1955 1956 1957 1958 1959 1960	2,025 2,323 2,718 2,977 3,137 3,334 3,510 3,647	74.50	1.75	3,689	61.66 65.16 67.96 71.08 74.45 79.00	0.79 1.05 1.27 1.48 1.56 1.64 1.76 1.82 1.91	981 1,385 1,531 1,787 1,894 2,074 2,124 2,343 2,306 2,581	21. 38 29. 83 33. 04 38. 45 39. 31 42. 72 42. 98 47. 31 47. 22 49. 65	0.51 0.73 0.86 1.01 1.04 1.11 1.19 1.26 1.27

TABLE 43. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Provinces, 1946-60 - Concluded

Province and year	All production workers			Male workers			Female workers		
Province and year	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
					dollars				
British Columbia: 1946 1949 1951 1953 1955 1956 1956 1957 1958 1959 1960	1,750 2,282 2,723 3,108 3,307 3,472 3,647 3,853 3,918 4,113	36.83 47.36 58.65 64.76 68.88 72.39 74.26 78.96 82.54 83.80	0.89 1.18 1.50 1.64 1.74 1.83 1.95 2.03 2.11	1,956 2,410 2,871 3,277 3,473 3,638 3,828 4,031 4,103 4,315	39.01 49.82 61.70 68.10 72.14 75.53 77.42 86.12 87.75	0.94 1.23 1.56 1.71 1.81 1.90 2.01 2.09 2.19 2.25	1,156 1,381 1,599 1,842 1,973 2,103 2,213 2,447 2,404 2,494	23.05 28.57 34.36 38.28 40.96 43.67 44.72 49.78 50.48 50.71	0.55 0.77 0.96 1.05 1.12 1.20 1.30 1.40
ukon and Northwest Territories: 1946 1949 1951 1953 1954 1955 1956 1957 1958 1959	2,249 2,502 2,686 3,331 3,376 3,684 3,931 4,648 5,375 5,032				Not av	ailable			

TABLE 44. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-60

Description and many	All pr	oduction w	orkers	Ĭ.	Male workers	3	Female workers		
Province and year	Annual ¹	Weekly	Hourly	Annual ¹	Weekly	Hourly	Annual ¹	Weekly	Hourly
					dollars				
Foods and beverages:	4 000	00.45	0.00		00.00	0 70	000	40.00	
1946 1949	1,389	29.15 38.45	0.66 0.87	1,574 2,046	33.09 43.98	0.72 0.95	869 1.140	18.27 24.51	0.47
1951	2,113	44.79	1.03	2.371	50.67	1.13	1,370	29.29	0.75
1953 1955	2,393	49.47 51.88	1.16	2,687	56.52 59.16	1.28	1,537	32.31 33.96	0.83
1956	2,695	54.51	1.30	3,023	62.35	1.44	1,750	36.12	0.94
1957 1958	2,853 3,033	56.69 60.60	1.39	3,186	64.16 68.24	1.52 1.59	1,835	36.98 39.93	1.00
1959	3,185	63.24	1.53	3,545	71.54	1.67	2,056	41.52	1.09
1960¹	-	64.30	1.57	-	72.50	1.71	-	40.88	1.11
Tobacco and tobacco products:									
1946 1949	1,168	23.85 38.63	0.56	1,468 2,258	30.06 46.74	0.66 1.03	995 1.662	20.37	0.49
1951	2,279	51.75	1.25	2,657	60.49	1.38	2,030	46.24	1.16
1953	2,580	52.43 57.14	1.30	3,025 3,282	61.69 66.30	1.48	2,305	46.99	1.18
1955 1956	2,890	58.82	1.49	3,422	70.10	1.69	2,560	52.43	1.37
1957	3,088	60.75	1.57	3,593	70.95 76.30	1.76 1.84	2,777	54.84	1.46 1.50
1958 1959	3,290 3,378	64.92 70.90	1.64	3,854	81.81	1.84	2,910	57.60 62.94	1.59
1960¹	-	72.69	1.82	-	85.01	2.04		63.81	1.64
Rubber products:									
1946	1,567	36.78	0.82	1,769	41.09	0.90	1,031	23.96	0.57
1949 1951	2,138	43.36	1.03	2,353	47.68 59.77	1.11	1,520	30.80	0.75
1953	2,981	59.08	1.43	3,259	64.74	1.53	2,102	41.73	1.08
1955 1956	3,154	65.03	1.51	3,434	70.87	1.63 1.74	2,191	45.18 45.47	1.11
1957	3,464	68.43	1.67	3,757	74.09	1.79	2,374	46.85	1.20
1958	3,535	72.80 76.82	1.74	3,841 4,165	78.86 83.60	1.86 1.95	2,347	48.19 50.97	1.21
1959 1960¹	3,000	74.78	1.81	-	81.71	1.95		49.91	1.27
Leather products:									
1946	1,192	25.03	0.59	1,421	29.85	0.68	863	18.11	0.45
1949	1,528	30.84	0.77	1,807	36.39 39.71	0.88	1,131	22.77 24.95	0.59
1951 1953	1,928	37.90	0.98	2,310	45.27	1.14	1,437	28.18	0.77
1955	2,033	42.04	1.04	2,417	50.00	1.20 1.24	1,525	31.54	0.81
1956 1957	2,156	43.37	1.13	2,698	52.00	1.31	1,689	32.54	0.89
1958	2,337	45.82	1.15	2.792	54.95	1.34	1,773	34.88	0.91
1959 1960¹	2,385	47.57 48.08	1.20	2,818	56.34 57.40	1.40	1,866	37.27 37.34	0.96

See footnote at end of table.

TABLE 44. Average Annual, Weekly and Hourly Earnings, of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-60 — Continued

	by Indu	strial Gro	oups, 1946	6-60 - Co	ntinued				
	All pr	oduction wo	rkers	Ŋ	Male workers	3	F	emale worke	rs
Group and year	Annual ¹	Weekly	Hourly	Annual ¹	Weekly	Hourly	Annual ¹	Weekly	Hourly
					dollars				
Textlle products (except clothing): 1946	1,271 1,830 2,046 2,278 2,423 2,491 2,590 2,633 2,776	24.13 36.93 40.00 44.20 48.36 50.53 51.51 53.20 56.38 56.91	0.55 0.83 0.99 1.08 1.11 1.17 1.24 1.27 1.30	1,453 2,068 2,292 2,545 2,702 2,807 2,891 2,943 3,106	28. 33 41. 67 44. 81 49. 28 54. 21 56. 89 57. 36 59. 40 63. 15 63. 08	0.61 0.90 1.07 1.17 1.20 1.27 1.33 1.37 1.41	1,019 1,458 1,627 1,825 1,905 1,951 2,053 2,057 2,149	19.87 29.39 31.82 35.34 38.22 39.53 40.72 41.51 43.67 46.20	0.48 0.70 0.84 0.91 0.93 0.98 1.04 1.05 1.07
Clothing, including knitting mills: 1946 1949 1951 1953 1955 1956 1957 1988 1989 1960 ⁴	1,191 1,542 1,691 1,886 1,940 2,049 2,093 2,159 2,250	25. 38 30. 46 33. 21 37. 15 38. 96 41. 49 40. 62 42. 98 43. 88 45. 69	0.62 0.78 0.91 0.97 0.98 1.04 1.08 1.10 1.13	1,693 2,170 2,383 2,667 2,725 2,915 2,927 3,023 3,164	34.54 43.31 47.14 53.33 55.56 59.78 57.35 61.01 62.73 64.99	0.77 1.04 1.22 1.31 1.33 1.41 1.44 1.49 1.53	972 1,261 1,380 1,547 1,613 1,705 1,768 1,829 1,902	19.81 25.17 27.28 30.94 32.90 35.00 34.65 36.91 37.69 39.21	0.51 0.66 0.76 0.83 0.85 0.90 0.94 0.97 0.99
Wood products: 1946 1949 1951 1953 1956 1956 1957 1958 1959 1960 ¹	1,337 1,836 2,136 2,399 2,599 2,696 2,824 2,957 2,991	30. 94 40. 40 48. 18 53. 40 56. 38 58. 22 59. 34 62. 25 65. 01 66. 54	0.69 0.92 1.12 1.22 1.30 1.35 1.42 1.45 1.52	1,366 1,869 2,166 2,435 2,635 2,734 2,868 3,004 3,040	31. 73 41. 20 48. 98 54. 36 57. 29 59. 19 60. 38 63. 33 66. 23 67. 78	0.70 0.93 1.14 1.24 1.31 1.36 1.44 1.47 1.54	904 1,256 1,525 1,717 1,929 2,004 2,056 2,172 2,146	21. 02 27.69 34.47 38.35 41.94 43.38 43.29 45.76 46.74 47.05	0.51 0.68 0.85 0.95 1.03 1.06 1.10 1.13 1.16
Paper products: 1946 1949 1951 1951 1953 1955 1956 1957 1958 1959 1960 ⁴	1,835 2,535 3,130 3,434 3,652 3,874 3,988 4,069 4,215	36. 97 49. 74 63. 98 66. 85 72. 34 76. 38 77. 43 80. 07 83. 82 87. 74	0. 79 1. 06 1. 38 1. 53 1. 68 1. 80 1. 89 1. 93 2. 00 2. 10	2,004 2,721 3,348 3,858 4,096 4,215 4,295 4,452	40. 20 53. 31 67. 87 70. 77 76. 26 80. 45 81. 51 84. 20 88. 19 92. 58	0.83 1.11 1.44 1.61 1.77 1.88 1.98 2.02 2.09 2.20	944 1,350 1,630 1,842 1,983 2,089 2,154 2,281 2,319	18. 94 26. 44 33. 05 35. 77 39. 17 41. 00 41. 62 44. 69 45. 97 46. 64	0.46 0.63 0.81 0.89 0.96 1.03 1.08 1.11 1.15
Printing, publishing and allied industries: 1946 1949 1951 1953 1955 1956 1957 1958 1959 1960 ¹	1,609 2,239 2,575 3,058 3,343 3,496 3,656 3,927 4,077	34.57 47.19 54.24 63.10 69.35 72.78 74.84 78.47 82.13 83.07	0.82 1.15 1.36 1.58 1.73 1.80 1.89 1.98 2.07 2.11	1,882 2,550 2,917 3,446 3,752 3,916 4,091 4,382 4,561	40.53 53.59 61.87 71.65 78.17 82.19 84.27 87.83 92.60 93.02	0.94 1.28 1.52 1.76 1.92 2.01 2.10 2.19 2.30 2.34	869 1,221 1,374 1,637 1,756 1,848 1,919 2,121 2,124	18. 71 25. 66 29. 11 34. 06 36. 61 38. 83 39. 50 42. 51 43. 54 44. 55	0.49 0.67 0.77 0.90 0.96 1.02 1.07 1.12 1.15
Iron and steel products: 1946 1949 1951 1951 1955 1955 1956 1957 1958 1959	1,731 2,401 2,833 3,267 3,501 3,723 3,861 3,953 4,228	36.87 48.05 58.86 65.02 70.63 74.85 75.55 79.45 85.15	0.82 1.10 1.39 1.54 1.66 1.76 1.86 1.93 2.04 2.09	1,940 2,445 2,886 3,322 3,558 3,785 3,921 4,017 4,297	37.89 48.94 59.95 66.10 71.76 76.08 76.75 80.66 86.45 86.97	0.84 1.12 1.40 1.57 1.68 1.79 1.88 1.96 2.06 2.11	1,133 1,597 1,885 2,222 2,359 2,441 2,572 2,679 2,797	22. 11 31. 96 39. 16 44. 20 47. 59 49. 05 50. 32 53. 84 56. 27 57. 07	0.53 0.77 0.98 1.12 1.19 1.25 1.32 1.38 1.45
Transportation equipment: 1946 1949 1951 1953 1953 1955 1956 1957 1956 1957 1958	1,897 2,465 2,867 3,406 3,488 3,683 3,812 4,066 4,328	39. 85 50. 54 58. 18 65. 45 67. 82 72. 75 75. 59 77. 35 82. 22 82. 98	0.94 1.18 1.38 1.57 1.67 1.78 1.88 1.92 2.03 2.05	1,921 2,494 2,895 3,438 3,523 3,718 3,848 4,102 4,374	40. 45 51. 08 58. 66 66. 11 68. 45 73. 43 76. 31 78. 11 83. 12 83. 94	0.95 1.19 1.39 1.58 1.69 1.90 1.94 2.04	1,187 1,706 2,096 2,444 2,537 2,703 2,728 2,978 3,101	24. 99 34. 93 42. 45 47. 90 49. 28 53. 40 54. 99 56. 74 58. 93 58. 73	0.62 0.88 1.10 1.23 1.28 1.37 1.46 1.48 1.55

See footnote at end of table.

TABLEAU 44. Average Annual, Weekly and Hourly Earnings of Production Workers in the Manufacturing Industries, by Industrial Groups, 1946-60 - Concluded

Cooper and week	All pr	oduction wo	orkers	N	Male workers	3	F	emale worke	ers
Group and year	Annual ¹	Weekly	Hourly	Annual ¹	Weekly	Hourly	Annual ¹	Weekly	Hourly
					dollars				
on-ferrous metal products:									
1946	1,713 2,419	35.51 48,26	0.81 1.09	1,833 2,521	37.78 50.26	0.85 1.13	1,014 1,437	20.90 28.63	0.5
1951	2,866	57.56	1.38	2, 979	59.68	1.42	1,618	32.40	0.8
1953	3, 277 3, 557	64.43 70.02	1.55	3,399	66.59	1.60	1,852	36.30	0.9
1956	3,737	70.02	1.67 1.74	3,678 3,859	72.41 74.82	1.72 1.79	1,986 2,041	39.13 39.57	0.
1957	3,939	77.14 77.53	1.88	4,072	79.79	1.94	2,024	39.68	1.
1958 1959	4,083	81.85	1.94 1.98	4,222	80.28 84.67	2.01 2.05	2,242 2,220	42.65 42.64	1.
1961 ¹	-	84.91	2.08	7, 101	87.76	2. 14	2, 440	43. 20	1.
ectrical apparatus and supplies:									
1946	1,523	32.39	0.77	1,711	36.34	0.85	1,148	24.38	0.
1949 1951	2, 288 2, 673	46.10 56.03	1.10 1.35	2,493 2,932	50.38 61.24	1.18 1.44	1,740 1,982	35.18 41.41	0.
1953	2,994	60.65	1.45	3,298	67.24	1.58	2, 259	46.05	1.
1955 1956	3, 169 3, 406	63.35 67.73	1.50 1.62	3,529 3,786	71.75 75.52	1.65 1.77	2, 368 2, 503	48. 15 49. 89	1.
1957	3,508	67.11	1.66	3.882	74.57	1.81	2,578	49.52	1. 1.
1958	3,697	70.37	1.72	4,081	77.93	1.88	2,791	53.34	1.
1959	3,739	73.27 74.87	1.78 1.84	4, 152	81.53 82.84	1.94 2.01	2,819	55.34 57.02	1. 1.
		12.01	2.02		02001	2.02		0,000	-
n-metallic mineral products:	1,547	32.78	0.71	1,614	34.11	0.73	1.039	21.97	0.
1949	2, 193 2, 616	45.22	0.98	2,252 2,699	46.45	1.00	1,540	31.10	0.
1951 1953	2,616	54.77 60.28	1.22 1.36	2,699 3,084	56.31 62.26	1.24 1.39	1,646	34.33 38.03	0.
1955	2, 990 3, 198	66.44	1. 48	3, 271	68.06	1.50	1,884 2,113	43.97	1.
1956	3,413	69.08	1.56	3,484	70.61	1.59	2,310	46.83	1.
1957	3,550 3,745	70.36 74.83	1.63 1.70	3,628 3,827	72.16 76.72	1.66 1.73	2,322	46.18 49.44	1. 1.
1959 1960 ¹	3,911	77.40	1.74	3,994	79.18	1.77	2,632	52.17	1.
19601		78.08	1.82	-	79.70	1.84	-	55.81	1.
oducts of petroleum and coal:						0.04			
1946	1,891 2,602	37.88	0.90 1.25	1,898 2,613	38.01	0.91 1.26	1,044 1,435	_	
1951	3, 172 3, 729	52.54 67.15	1.62	3, 181	52.58 67.32	1.63	1,750	_	
1953	3,729	76.96	1.85	3,739	77.17 81.71	1.85	2,056	_	
1955 1956	3,964 4,280	81.44	1.96 2.07	3,974 4,292	84.21	1.97 2.07	2, 186 2, 365	_	
1957	4,741	92.48	2. 23 2. 28	4,754	92. 86	2.24	2,615		
1958	4,834 5,185	92.83 99.13	2. 28 2. 41	4,846 5,199	93.16 99.39	2.28 2.42	2,670 2,865	_	
1960¹	J, 10J	102.87	2.54	- 100	103.16	2. 54	2,000	_	
emicals and allied products:									
1946	1,564	32.46	0.73	1,773	35.97	0.79	954	19.35	0.
1949 1951	2, 194 2, 612	43. 28 52. 78	0.98 1.24	2,404 2,845	47.40 57.03	1.05 1.32	1,334 1,579	26.32 31.64	0.
1953	2, 995	58.72	1.39	3, 255	63.57	1.48	1.823	35.63	0.
1955	2, 995 3, 217	63. 20	1.52	3,478	68.31	1.63	1,994	39.23	1.
1956 1957	3,383	67.08 71.61	1.62 1.75	3,650 3,937	72.19 76.96	1.72 1.86	2, 110 2, 197	41.70	1. 1.
1958	3,822	74.54	1.81	4,131	80.46	1.93	2,301	44.78	1.
1959 1960¹	3, 968	77.49 80.10	1.89	4,293	83.86 86.14	2. 02 2. 10	2,383	46.52	1.
		00.10	1.31		00.14	2.10		11.01	7.
scellaneous industries:	1, 291	26.94	0.63	1,600	30.91	0.70	1,006	19.43	0.
1949	1.718	35.14	0.82	2,006	41.38	0.93	1,292	26.66	0.
1951	2, 063 2, 343	41.63	1.00	2.411	48.93	1.13 1.29	1,529	31.01	0.
955	2, 343	47.47	1.12 1.17	2,760 2,930	56.37 59.57	1. 29	1,673 1,735	34.17 35.29	0.
1956	2, 489 2, 648 2, 737	52.06	1.22	3,118	62.73	1.43	1,852	37.26	0.
1957	2,737	53.77	1.31	3,203 3,329	63.81 67.28	1.51 1.56	1,935 2,047	38.54 41.39	0. 1.
1958 1959	2, 865 2, 969	57.36 59.54	1.36 1.40	3,329	69.86	1.61	2. 107	42.55	1.
1960¹		61.36	1.44	_	72.02	1.65	-	43.37	1.

^{1.} Annual earnings for 1960 cannot be calculated due to the fact that the 1960 survey of manufactures was compiled in accordance with the revised Standard Industrial Classification. The composition of most of the major groups has, therefore, changed. Since the weekly and hourly earnings as well as the hours worked are still compiled on the old classification basis, comparable total annual earnings and the number of employees for the old groups are, therefore, not available.

Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees. — Annual earnings of male office employees in 1960 averaged \$6,024, weekly earnings \$116.41 and hourly earnings \$3.00. For female office employees annual earnings averaged \$3,000, weekly earnings \$57.98 and hourly earnings \$1.54. Average annual earnings of all office employees totalled \$5,190 in 1960, an increase of 83 p.c. since 1949. Weekly earnings at \$100.47 were also 83 p.c. higher and hourly

earnings at \$2.61 were 91 p.c. higher. There were only two groups in 1960 with average weekly earnings of male office employees exceeding \$125. These two groups were: products of petroleum and coal with \$152.33 and paper products \$135.84. In thirteen other groups weekly earnings averaged between \$100 and \$125 and in the remaining two groups they were below \$100. The leather products group with \$95.06 had the lowest average, followed by clothing and knitting mills with \$99.86.

In the case of female office employees there were only five groups with average weekly earnings of \$60 or more. These were: products of petroleum and coal \$70.68, tobacco and tobacco products \$67.06, transportation equipment \$64.23, paper products \$62.46 and chemicals and allied products \$61.61. In seven other groups weekly earnings of female office employees ranged between \$55 and \$60, in four other groups they were between \$50 and \$55 and in only one group, viz. leather products, were they below \$50. Male office employees of this group also received the lowest average weekly salary of \$95.06 as compared with \$116.41 for manufacturing as a

whole. Female office employees of this group received an average of \$49.33 per week as compared with \$57.98 for all groups,

Annual and weekly earnings of female office employees advanced as much as those for male office employees. In hourly earnings, however, the increase was 81 p.c. as compared with 87 p.c. for male office employees.

The following table gives weekly and hourly earnings of male and female office employees for each province and industrial group for the year 1960.

TABLE 45. Average Weekly and Hourly Earnings of Male and Female Administrative and Office Employees by Provinces and Industrial Groups, 1960

	Male ea	rnings	Female ea	rnings
Province and industrial group	Weekly	Hourly	Weekly	Hourly
		doll	ars	
Province				
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada	101.70 79.76 97.69 102.66 114.21 119.71 100.56 100.01 110.23 122.59	2. 44 1. 85 2. 49 2. 56 2. 95 3. 09 2. 57 2. 54 3. 14 3. 00	46.58 37.30 45.29 46.65 57.62 59.45 49.11 52.97 55.10 59.25 57.98	1. 18 0. 91 1. 21 1. 22 1. 54 1. 59 1. 30 1. 37 1. 44 1. 59
Industrial group Foods and beverages Tobacco and tobacco products Rubber products Leather products Leather products Clothing, including knitting mills Wood products Paper products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	104.37 124.19 110.53 95.06 105.00 99.86 105.52 135.84 109.77 116.79 121.58 124.77 119.50 110.78 152.33 124.92	2. 66 3. 31 2. 86 2. 38 2. 69 2. 50 3. 63 3. 2. 94 3. 00 3. 05 3. 27 3. 03 2. 83 4. 17 3. 30 2. 90	54.83 67.06 55.80 49.33 51.99 54.66 53.57 62.46 56.00 58.22 64.23 59.07 59.98 57.45 70.68 61.61 56.31	1. 46 1. 79 1. 47 1. 32 1. 39 1. 44 1. 42 1. 71 1. 52 1. 54 1. 66 1. 59 1. 57 1. 54 1. 97 1. 64

TABLE 46. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, 1946-601

	Al	All employees Male employees Female employees		25.91 28.68 31.26 32.62 34.38 38.42 41.26 43.13 45.00 47.02	ees				
Year	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
					dollars				
1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1956 1956	2,270 2,484 2,687 2,836 2,998 3,296 3,513 3,707 3,854 3,990 4,222 4,471 4,773	43. 85 49. 78 52. 91 54. 85 58. 74 65. 98 70. 75 73. 87 77. 81 80. 57 85. 38 89. 92 93. 74	1. 07 1. 23 1. 31 1. 37 1. 48 1. 67 1. 80 1. 89 2. 00 2. 06 2. 19 2. 33 2. 43	2,680 2,933 3,147 3,317 3,507 3,852 3,985 4,327 4,499 4,636 4,918 5,205 5,549	53.21 60.21 63.47 65.37 69.35 77.55 82.60 86.43 90.99 93.50 99.05 104.63 108.38	1.27 1.46 1.54 1.60 1.73 1.94 2.07 2.19 2.31 2.36	1, 305 1, 396 1, 551 1, 655 1, 739 1, 907 2, 323 2, 159 2, 227 2, 332 2, 449 2, 576 2, 769	28. 68 31. 26 32. 62 34. 38 38. 42 41. 26 43. 13 45. 00 47. 02 49. 31 51. 84 54. 07	0.66 0.74 0.81 0.85 0.90 1.01 1.19 1.24 1.30 1.38 1.44
1958 1959 1960	4, 773 4, 998 5, 190	93. 74 97. 10 100. 47	2.43 2.52 2.61	5, 549 5, 817 6, 024	108.38 112.78 116.41	2. 79 2. 90 3. 00	2, 709	55. 73 57. 98	1.4

¹ Statistics on weekly and hourly earnings are taken from the annual report "Earnings and Hours of Work in Manufacturing", compiled by the Employment Section of the Labour Division of the Bureau, These statistics coverestablishments employing 15 hands or over. For 1946 and 1947 they refer to the last week in November and for 1948 to 1960 to the last week in October. Annual earnings are calculated. See text on pages 87 and 88.

TABLE 47. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Provinces, 1946-60

Year and province	1	All employee	es	M	ale employe	es	Fei	male employ	rees
rear and province	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
Newfoundland: 1950 1952 1953 1954 1955 1956 1957 1958 1960 ¹	1,921 2,345 2,403 2,687 2,793 3,052 3,031 3,238 3,453 4,644	54.95 62.62 68.54 71.39 73.59 77.97 85.90 85.87 86.68 90.80	1. 29 1. 47 1. 64 1. 75 1. 78 1. 91 2. 16 2. 08 2. 09 2. 20	2,087 2,529 2,620 2,922 3,028 3,307 3,271 3,505 3,743 5,193	63. 33 71. 47 78. 07 80. 34 81. 87 87. 32 95. 80 94. 91 97. 09 101. 70	1. 47 1. 66 1. 86 1. 96 1. 97 2. 14 2. 33 2. 27 2. 33 2. 44	868 1, 275 1, 554 1, 365 1, 475 1, 591 1, 577 1, 699 2, 378	26.55 31.55 34.44 37.55 39.85 42.00 46.16 44.82 44.12 46.58	0.67 0.76 0.84 0.94 0.98 1.04 1.18 1.14 1.11
Prince Edward Island: 1950 1951 1951 1952 1953 1955 1956 1956 1958 1960	1,571 1,715 1,909 2,009 2,115 2,261 2,307 2,500 2,683 2,991	40, 35 46, 90 49, 63 53, 69 55, 82 54, 90 65, 95 67, 74 63, 83 66, 72	0.98 1.08 1.20 1.33 1.36 1.35 1.57 1.57	1,747 1,918 2,117 2,260 2,358 2,562 2,618 2,818 3,027 3,384	48.55 55.98 59.33 64.81 65.59 66.64 74.79 76.33 74.30	1. 19 1. 26 1. 42 1. 58 1. 59 1. 62 1. 78 1. 77 1. 74 1. 85	896 917 1,050 1,087 1,221 1,196 1,212 1,293 1,492 1,584	24. 92 26. 75 29. 40 31. 15 33. 96 31. 11 34. 66 35. 04 36. 60 37. 30	0.61 0.65 0.72 0.79 0.84 0.78 0.84 0.87
Nova Scotia: 1946 1949 1951 1953 1955 1956 1956 1958 1958	1,788 2,179 2,500 2,775 2,993 3,267 3,384 3,639 3,848 3,959	39. 89 50. 47 58. 43 62. 82 66. 43 71. 00 76. 14 79. 60 81. 13 83. 63	0. 93 1. 25 1. 40 1. 55 1. 62 1. 75 1. 91 2. 05 2. 09 2. 16	2,020 2.455 2,821 3,122 3,372 3,729 3,883 4,147 4,367 4,511	46. 36 59. 45 67. 83 72. 01 76. 48 82. 64 89. 06 92. 58 94. 33 97. 69	1.06 1.45 1.60 1.76 1.82 2.00 2.20 2.36 2.40 2.49	1,026 1,169 1,329 1,539 1,669 1,764 1,794 1,912 2,044 2,093	23.54 28.29 31.95 35.48 37.88 39.06 41.16 42.67 44.10 45.29	0.58 0.71 0.80 0.91 0.99 1.02 1.09 1.14 1.17
New Brunswick: 1946 1949 1951 1953 1956 1956 1956 1957 1958 1958 1959	1,879 2,233 2,757 3,096 3,125 3,351 3,589 3,740 3,900 4,062	40.33 48.42 57.65 62.96 68.26 70.98 74.46 75.00 78.23 87.20	0.93 1.13 1.38 1.54 1.69 1.74 1.87 1.88 1.93 2.20	2, 165 2, 568 3, 175 3, 564 3, 579 3, 820 4, 116 4, 285 4, 484 4, 686	48. 25 57. 64 68. 64 73. 48 79. 35 82. 30 87. 44 87. 38 92. 27 102. 66	1.09 1.32 1.61 1.79 1.92 1.98 2.16 2.13 2.25 2.56	1,018 1,243 1,467 1,711 1,700 1,887 1,959 2,091 2,116 2,127	22. 68 27. 88 31. 72 35. 25 37. 70 40. 63 41. 58 42. 67 43. 59 46. 65	0.55 0.69 0.79 0.87 0.99 1.06 1.09
Quebec: 1946 1949 1951 1953 1956 1956 1956 1958 1958	2, 298 2, 812 3, 241 3, 670 3, 959 4, 141 4, 407 4, 721 4, 910 5, 135	44.57 54.66 64.67 72.23 79.25 84.10 88.34 92.43 95.98 99.17	1. 07 1. 35 1. 63 2. 02 2. 16 2. 30 2. 42 2. 50 2. 58	2,667 3,256 3,769 4,260 4,578 4,790 5,100 5,470 5,692 5,924	53. 30 64. 41 75. 77 84. 12 91. 26 96. 89 102. 24 106. 18 110. 63 114. 21	1. 25 1. 57 1. 88 2. 12 2. 30 2. 46 2. 64 2. 74 2. 86 2. 95	1, 334 1, 670 1, 858 2, 143 2, 344 2, 443 2, 576 2, 773 2, 992 2, 857	26. 63 33. 05 37. 32 42. 33 46. 74 49. 40 51. 59 53. 83 55. 49 57. 62	0.67 0.85 0.98 1.12 1.23 1.31 1.38 1.46 1.48
Ontario: 1946 1949 1951 1953 1955 1956 11957 1958 11958	2, 356 2, 990 3, 489 3, 892 4, 156 4, 413 4, 651 4, 971 5, 217 5, 378	43. 82 55. 32 67. 29 75. 69 82. 47 87. 14 92. 02 95. 67 99. 04 102. 55	1. 08 1. 39 1. 73 1. 96 2. 13 2. 25 2. 39 2. 49 2. 57 2. 67	2,849 3,563 4,135 4,609 4,885 5,200 5,469 5,831 6,128 6,298	54. 19 66. 81 79. 67 89. 28 96. 52 102. 19 107. 75 111. 44 116. 08 119. 71	1. 31 1. 65 2. 02 2. 28 2. 46 2. 61 2. 77 2. 88 2. 99 3. 09	1, 359 1, 746 2, 051 2, 281 2, 433 2, 553 2, 685 2, 886 3, 003 3, 130	25.87 32.74 39.49 44.23 48.03 50.18 52.91 55.16 56.90 59.45	0.66 0.86 1.04 1.18 1.27 1.33 1.41 1.47 1.52
Manitoba: 1946	2,090 2,729 3,050 3,419 3,632 3,797 3,965 4,168 4,402 4,516	41. 46 52. 98 60. 57 66. 35 70. 57 73. 17 76. 85 81. 25 84. 26 87. 02	0. 97 1. 28 1. 50 1. 66 1. 78 1. 86 1. 96 2. 10 2. 19 2. 24	2,432 3,150 3,519 3,955 4,203 4,398 4,608 4,851 5,124 5,258	48.93 62.19 70.20 76.47 81.04 84.24 88.89 93.07 97.44 100.56	1.13 1.48 1.73 1.90 2.02 2.11 2.24 2.39 2.51 2.57	1, 182 1, 534 1, 756 1, 966 2, 114 2, 190 2, 304 2, 421 2, 516 2, 566	23.76 30.30 35.06 37.98 40.76 41.95 44.45 46.44 47.82 49.11	0.58 0.76 0.89 0.98 1.07 1.10 1.16 1.23 1.27

¹ The abnormal increase in annual earnings to a level which corresponds more closely to the weekly earnings is due to a decrease in the wood using industries of a large number of relatively lower paid administrative and office employees.

TABLE 47. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Provinces, 1946 - 60 - Concluded

11100 22 23 24	acturing industries, by Frovinces, 1970 of								
	A	ll employee	s	Ma	ale employe	es	Fer	nale employ	ees
Year and province	Annual	Weekly	Hourly	Annual	Weekly	Hourly	Annual	Weekly	Hourly
		•			dollars				
Saskatchewan: 1946 1949 1951 1951 1953 1955 1956 1956 1957 1958 1959	1,654 2,085 2,444 2,809 3,065 3,358 3,641 3,668 4,026 4,333	38.78 45.18 56.35 61.30 66.24 69.51 75.74 79.17 82.13 86.62	0.90 1.07 1.36 1.51 1.64 1.73 1.92 2.04 2.11 2.21	1,882 2,364 2,764 3,167 3,472 3,817 4,149 4,156 4,619 4,958	46. 10 53. 23 64. 97 71. 66 76. 35 79. 64 88. 61 90. 92 95. 26 100. 01	1.06 1,25 1.56 1.74 1.88 1.97 2.23 2.33 2.44 2.54	988 1,300 1,584 1,774 1,951 2,160 2,224 2,277 2,471 2,628	24.20 29.30 37.25 40.16 42.88 45.07 47.50 49.83 50.97 52.97	0.59 0.71 0.91 1.02 1.08 1.14 1.23 1.31 1.32
Alberta: 1946 1949 1951 1953 1955 1956 1956 1957 1958 1959 1960	1,812 2,311 2,558 3,081 3,313 3,672 4,033 4,281 4,511 4,730	39.34 51.80 62.06 69.93 75.60 80.71 86.65 91.13 94.78 97.05	0.92 1.23 1.50 1.75 1.90 2.02 2.20 2.30 2.40 2.49	2,065 2,610 2,870 3,484 3,755 4,161 4,593 4,886 5,164 5,408	46.30 60.06 71.12 79.64 86.18 91.71 98.54 103.01 107.40 110.23	1.06 1.40 1.71 1.97 2.13 2.28 2.48 2.57 2.70 2.80	1,055 1,334 1,487 1,840 1,900 2,122 2,352 2,463 2,582 2,704	23.66 30.72 36.86 42.05 43.61 46.77 50.50 51.90 53.72 55.10	0.57 0.76 0.92 1.08 1.13 1.20 1.32 1.36 1.39
British Columbia: 1946 1949 1951 1951 1955 1956 1957 1958 1959 1960	2,200 2,758 3,174 3,609 4,079 4,265 4,576 4,837 5,118 5,314	46.59 57.91 71.10 78.41 85.00 89.54 93.93 99.75 104.18 107.78	1.11 1.43 1.78 1.99 2.16 2.28 2.43 2.58 2.69 2.79	2,499 3,133 3,606 4,075 4,618 4,900 5,223 5,520 5,830 6,072	54.10 66.92 81.66 89.70 97.12 102.47 107.62 113.14 118.40 122.59	1.28 1.64 2.03 2.26 2.44 2.60 2.77 2.91 3.04 3.14	1, 264 1,579 1,767 1,993 2,258 2,372 2,512 2,699 2,839 2,933	27.36 33.73 40.03 43.84 47.53 49.61 51.79 55.34 57.61 59.25	0.67 0.85 1.02 1.14 1.24 1.30 1.36 1.46 1.53

TABLE 48. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-60

Mant	ilacturing.	industric	S, DJ IIIG		Jupa, 1040				
	A	ll employee	s	M	ale employe	es	Fen	nale employ	ees
Year and group	Annual ¹	Weekly	Hourly	Annual ¹	Weekly	Hourly	Annual ¹	Weekly	Hourly
					dollars				
Foods and beverages: 1946 1949 1951 1953 1955 1956 1956 1957 1958 1959 1960 ⁴	1,990 2,518 2,941 3,325 3,566 3,722 3,914 4,200 4,471	41.33 52.31 61.78 68.37 73.42 76.93 81.45 84.12 88.91 90.52	0.98 1.27 1.53 1.71 1.84 1.93 2.09 2.15 2.28 2.33	2,314 2,930 3,406 3,856 4,119 4,307 4,549 4,861 5,198	49.90 62,27 71.15 78.32 83.50 87.51 93.85 95.84 102.10	1.16 1.48 1.73 1.93 2.06 2.17 2.38 2.41 2.58 2.66	1,141 1,490 1,785 2,044 2,204 2,317 2,397 2,615 2,719	24.62 31.64 37.29 41.55 44.67 47.08 49.48 51.59 53.41 54.83	0.61 0.80 0.95 1.08 1.17 1.23 1.31 1.37 1.42
Tobacco and tobacco products: 1946 1949 1951 1953 1955 1956 1956 1957 1958 1958 1959	2,371 3,109 3,665 4,351 4,732 4,954 5,166 5,532 5,595	39.94 54.17 66.73 73.72 84.12 85.50 94.84 94.54 102.71 103.39	0.97 1.35 1.79 1.98 2.23 2.26 2.52 2.50 2.69 2.76	2,913 3,667 4,390 5,149 5,556 5,840 6,080 6,560 6,607	51.45 65.26 78.21 86.27 98.20 101.57 112.78 111.40 122.90	1.22 1.61 2.09 2.31 2.58 2.68 2.99 2.94 3.20	1,424 2,057 2,379 2,930 3,211 3,230 3,411 3,660 3,607	25. 17 36. 63 42. 41 49. 05 56. 74 56. 19 63. 24 62. 20 67. 06	0.62 0.93 1.15 1.32 1.52 1.49 1.70
Rubber products: 1946 1949 1951 1953 1955 1956 1957 1958 1959	2,289 2,974 3,361 3,632 4,056 4,231 4,638 4,679 4,951	44.97 53.70 63.90 71.04 75.13 79.77 83.04 89.46 93.33 95.70	1.11 1.37 1.67 1.83 1.93 2.06 2.11 2.31 2.42	2,776 3,491 3,926 4,210 4,732 4,946 5,426 5,451 5,780	54.64 63.53 74.59 82.25 86.67 92.31 95.90 103.39 108.22 110.53	1.34 1.60 1.94 2.10 2.21 2.36 2.42 2,66 2.79 2.86	1, 280 1,697 1,967 2,143 2,399 2,518 2,789 2,764 2,890	25.17 30.90 37.40 41.84 43.95 46.94 49.30 52.40 54.12 55.80	0.64 0.81 0.98 1.10 1.23 1.28 1.37 1.42

TABLE 48. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-1960 — Continued

Manufacturi		ll employee			le employe			nale employ	ees
Year and group	Annual ¹	Weekly	Hourly	Annual ¹	Weekly	Hourly	Annual ¹	Weekly	Hourly
Leather products: 1946 1949 1951 1953 1955 1956 1957 1958 1959	2,398 3,033 3,264 3,623 3,782 3,943 4,207 4,452 4,600	37. 93 48. 95 56. 30 61. 71 66. 17 68. 91 73. 62 73. 76 77. 85 79. 65	0.88 1.18 1.40 1.55 1.66 1.74 1.88 1.90 1.99 2.04	2,795 3,533 3,795 4,256 4,473 4,662 5,029 5,331 5,530	45. 12 57. 94 66. 47 73. 25 78. 49 81. 65 88. 85 87. 98 93. 05 95. 06	1.01 1.36 1.61 1.80 1.92 2.02 2.22 2.23 2.33 2.32 2.38	1,465 1,819 1,958 2,162 2,268 2,401 2,494 2,724 2,826	23.66 29.86 34.33 37.24 39.81 42.06 44.03 45.00 47.53 49.33	0.59 0.76 0.90 0.98 1.05 1.11 1.19 1.20 1.27
Textile products (except clothing): 1946 1949 1951 1953 1955 1956 1957 1958 1959 1960 ¹	2,675 3,199 3,655 3,827 4,027 4,209 4,402 4,637 4,802	48.08 53.69 65.41 70.73 75.10 78.29 82.62 85.27 86.01 89.14	1. 16 1. 31 1. 64 1. 78 1. 87 2. 00 2. 14 2. 21 2. 22 2. 31	3,338 3,884 4,465 4,635 4,874 5,070 5,305 5,574 5,704	59.30 65.47 79.67 84.77 88.74 92.79 98.82 100.83 101.75 105.00	1.39 1.56 1.97 2.09 2.17 2.34 2.52 2.58 2.60 2.69	1,522 1,864 2,063 2,234 2,354 2,454 2,562 2,754 2,812	27.07 31.46 36.78 40.87 42.83 44.89 47.73 49.84 50.14 51.99	0.69 0.80 0.96 1.07 1.12 1.19 1.27 1.34 1.34
Clothing including knitting mills: 1946 1949 1949 1951 1953 1955 1956 1957 1958 1958 1959	2,580 3,132 3,375 3,674 3,859 4,103 4,372 4,524 4,763	38.00 48.04 57.54 62.41 66.94 69.75 74.32 76.59 77.56 80.42	0.92 1.18 1.46 1.58 1.68 1.77 1.91 1.95 1.99 2.06	3,124 3,817 4,157 4,541 4,742 5,066 5,424 5,559 5,863	47.65 60.25 72.45 78.81 83.18 87.29 94.45 94.82 96.55 99.86	1. 12 1. 45 1. 79 1. 94 2. 04 2. 16 2. 36 2. 37 2. 42 2. 50	1,646 2,031 2,116 2,316 2,471 2,634 2,755 2,991 3,195	25. 13 32. 08 36. 85 40. 18 43. 34 45. 38 48. 00 51. 05 52. 63 54. 66	0.63 0.82 0.96 1.05 1.12 1.19 1.28 1.34 1.39
Wood products: 1946 1949 1951 1951 1953 1955 1956 1956 1957 1958 1959 1960 ¹	1,419 1,905 2,250 2,534 2,879 3,140 3,261 3,484 3,776	42.65 54.15 64.48 71.35 76.34 78.87 83.01 86.00 89.14 92.94	0.98 1.28 1.55 1.73 1.87 1.93 2.07 2.14 2.22 2.32	1,527 2,038 2,407 2,717 3,094 3,396 3,539 3,786 4,106	50.08 62.56 74.34 81.52 86.58 89.31 94.69 97.23 101.13 105.52	1. 11 1. 44 1. 75 1. 94 2. 07 2. 15 2. 32 2. 38 2. 47 2. 58	760 1,015 1,204 1,342 1,572 1,715 1,762 1,942 2,098	24. 92 31. 14 37. 16 40. 28 44. 02 45. 06 47. 13 49. 86 51. 68 53. 57	0. 62 0. 79 0. 96 1. 05 1. 15 1. 18 1. 25 1. 32 1. 37 1. 42
Paper products: 1946 1949 1951 1951 1953 1955 1956 1956 1957 1958 1959 1960¹	2,831 3,679 4,338 4,808 5,046 5,276 5,511 5,814 6,044	52.29 65.57 79.57 87.68 95.20 101.05 107.34 109.48 112.95 117.92	1. 28 1. 64 2. 05 2. 31 2. 53 2. 69 2. 87 2. 94 3. 02 3. 17	3, 374 4, 354 5, 147 5, 693 5, 985 6, 243 6, 482 6, 792 7, 035	62. 49 77. 41 93. 92 102. 39 11. 47 117. 86 124. 63 126. 68 130. 55 135. 84	1.50 1.92 2.39 2.67 2.93 3.13 3.31 3.38 3.46 3.63	1,481 1,964 2,224 2,550 2,663 2,809 2,943 3,090 3,215	27. 45 34. 88 40. 60 45. 92 49. 55 53. 03 56. 60 57. 64 59. 72 62. 46	0.70 0.91 1.07 1.24 1.34 1.44 1.57 1.63
Printing, publishing and allied industries: 1946 1949 1951 1953 1955 1956 1957 1958 1959	2,084 2,368 2,749 3,142 3,412 3,544 3,717 4,077 4,306	37.07 46.55 57.20 63.88 68.54 74.50 77.86 82.32 84.94 88.87	0.93 1.20 1.50 1.71 1.82 2.00 2.07 2.21 2.28	2,479 2,879 3,352 3,840 4,179 4,359 4,577 5,061 5,364	45.76 57.12 69.61 78.01 84.02 91.91 101.61 105.46 109.79	1. 13 1. 46 1. 81 2. 09 2. 22 2. 45 2. 53 2. 72 2. 82 2. 94	1, 316 1, 526 1, 773 2, 016 2, 181 2, 214 2, 353 2, 596 2, 698	24. 30 30. 30 36. 83 40. 95 43. 84 46. 72 49. 20 52. 10 53. 09 56. 00	0.62 0.80 0.97 1.11 1.18 1.26 1.32 1.40 1.43
Iron and steel products: 1946 1949 1951 1953 1965 1956 1956 1957 1958 1959	2, 429 3, 095 3, 635 3, 993 4, 274 4, 497 4, 749 5, 025 5, 200	50. 14 55. 77 67. 65 74. 88 81. 53 86. 51 91. 31 95. 77 99. 48 102. 99	1. 23 1. 40 1. 73 1. 93 2. 10 2. 23 2. 37 2. 48 2. 58 2. 81	2,891 3,574 4,195 4,598 4,891 5,172 5,438 5,753 5,935	52.88 65.17 78.15 86.02 93.18 99.50 104.50 108.78 113.18 116.79	1. 27 1. 62 1. 97 2. 19 2. 38 2. 54 2. 69 2. 80 2. 91 3. 00	1, 391 1, 762 2, 056 2, 285 2, 455 2, 534 2, 675 2, 830 2, 926	25. 43 32. 13 38. 30 42. 71 46. 77 48. 75 51. 37 53. 57 55. 84 58. 22	0.65 0.84 1.01 1.14 1.24 1.29 1.36 1.42 1.48

TABLE 48. Average Annual, Weekly and Hourly Earnings of Administrative and Office Employees in the Manufacturing Industries, by Industrial Groups, 1946-60 — Concluded

	Al	l employees	3	Ma	ale employe	es	Fei	nale employ	rees
Year and group	Annual ¹	Weekly	Hourly	Annual ¹	Weekly	Hourly	Annual ¹	Weekly	Hourly
	1				dollars				
unsportation equipment:	0.574	50.44	1 10	2, 981	57.95	1. 35	1.446	28.08	0.6
946	2,574 3,277	50.14 62.04	1. 19 1. 50	3, 713	71.01	1.70	1,827	34.95	0.8
951	. 3, 733	71.39	1.74	4,214	80-85	1.96	2, 162 2, 482	41.51 45.93	1.0
953	4,301 4,553	79.43 87.76	1.99 2.18	4, 876 5, 074	90.20 98.30	2-24 2-43	2,633	50.98	1.3
1956	. 4,744	92-25	2. 30	5, 292	103.42	2.55	2, 752 2, 885	53.81 55.81	1.3 1.4
957	4,987 5,338	96 · 11 101 · 25	2.43 2.58	5,559 5,919	107.45 112.24	2. 69 2. 85	3, 119	59.15	1.5
1959	5,783	106.21	2.72	6.418	118.06	3.00	3,369	62.02 64.23	1.6 1.6
9601		109.45	2.76	_	121.58	3.05		04.25	1.0
n-ferrous metal products:	2,590	47.22	1.14	3,061	57.07	1-35	1,488	27.71	0.6
1946	3, 189	60.25	1.47	3,776	71.43	1.71	1,794	33.95	0.8
1951	3,585	73 · 63 80 · 30	1.86 2.04	4,188 4,693	85.63 93.16	2.13 2.34	1,968 2,239	40. 21	1.0
1953 1955	. 4,591	86.55	2.24	5,272	99.21	2.54	2,589	48.75	1.3
1956 1957	4.637	91·28 99·83	2.38 2.63	5,366 5,710	104.06 113.43	2.69 2.97	2,624 2,689	50.89 53.40	1.3
1958	5,480	105-18	2.76	6, 268	119.18	3. 11	2,946	56.06	1.5
1959 1960¹	5,503	105.61 110.09	2.76 2.90	6,277	120.77 124.77	3.14 3.27	2, 913	56.05 59.07	1. 5
ectrical apparatus and supplies:									
1946	2,267	45.46	1.15	2,732	54.74	1.37	1, 382 1, 877	27.68 34.58	0.
1949 1951		55. 15 64. 82	1.41	3,489 4,055	64.32 75.51	1.92	2,060	38.37	1.1
1953	. 3, 925	75.07	1.95	4, 565	87.17 95.57	2.25	2,360 2,472	45.04 50.38	1.
1955 1956		83.39 88.71	2.15 2.27	4,691 5,127	102.73	2.61	2, 533	50.74	1.
1957	. 4,778	90. 21 95. 78	2.33	5,498	103.91 109.36	2.66 2.82	2, 798 3, 018	52.92 55.74	1.
1958 1959	5,176 5,373	100.46	2. 48 2. 58	5,918 6,147	115.31	2. 96	3, 092	57.96	1.
1960¹		104.55	2. 67	-	119.50	3.03	_	59.98	1.1
n-metallic mineral products:	0.404	40.00	1.05	0.444	50.47	1. 19	1, 256	25.96	0.
1946	2, 837	43. 29 53. 94	1. 05 1. 35	2, 444 3, 218	62.87	1.54	1,635	31.96	0.
1951	3, 297	66-34	1.69	3,793	76.94 85.84	1.93 2.15	1,904	38.61 43.36	1.
1953 1955	3,736 4,095	74.31 81.04	1.90 2.05	4,304	92.20	2.30	2, 174 2, 364	46.97	1.
1956	4, 242	85.90	2.20 2.29	4, 786	97.73 102.27	2. 47 2. 57	2, 412 2, 595	49. 22 51. 74	1.
1957 1958	4.803	90. 08 93. 21	2.43	5, 128 5, 391	104.64	2.69	2,722	52.84	1.
1959 1960¹	4.945	96.06 99.33	2. 47 2. 56	5,551	107. 75 110. 78	2.74 2.83	2,825	54.87 57.45	1. 1.
oducts of petroleum and coal:									
1946	2,412	47.66	1. 21	2, 747	54.05	1.35	1, 338	26, 33	0.
1949 1951	3, 100	61.40 74.52	1.62 1.94	3, 490 4, 147	68.49 81.92	1.77 2.12	1,769	34. 70 42. 72	0.
1953	4, 217	98.27	2.64	4,881	111.87	2.98	2, 161 2, 309	52. 95	1.
1955	4, 458 5, 217	105. 76 110. 54	2.87	5, 148 5, 975	121.46 126.42	3. 27	2,322 2,731	54.77 57.72	1.
1956	5,411	117. 21	3. 19	6,217	134.46	3.63	2, 878	62.30	1.
1958		1 19. 14 126. 60	3.28 3.46	6,407 7,071	134.83 143.55	3.69	3, 037	63-91 65-62	1.
1960¹		134.58	3.70	-	152.33	4. 17	_	70.68	1.
nemicals and allied products:					** **	1 40	1 400	27. 08	0.
1946	2, 386 2, 883	43.88 54.89	1. 11	2,946	55. 92 67. 30	1. 40 1. 72	1,426	34. 46	0.
1951	3, 379	66.37	1.42 1.72	4,061	78.79	2.03	2,079	40.31	1.
1953 1955	4. 206	74. 59 82. 41	1. 95 2. 15	4,581 5,034	88. 12 96. 63	2. 29 2. 50	2, 336 2, 582	44.90 49.53	1.
1956	4, 509	87.38	2.30	5,405	101.85	2.67	2, 789	52.51	1.
1957 1958		93.84 98.72	2.48 2.61	5,654 6,070	109.75 115.96	2.90 3.05	2, 867 2, 980	55.68	1.
1959	5, 190	103. 01 106. 54	2. 73 2. 82	6, 254	121. 19 124. 92	3. 19	3,033	58.82 61.61	1.
		100.04	2.02		201.00	0.50			
iscellaneous industries:	2, 298	39.89	0.93	2, 797	51.41	1. 23	1, 393	25.62	0.
1949 1951		50.47 60.89	1. 25 1. 57	3, 435 3, 960	63.44	1. 54 1. 88	1, 700 1, 925	31.43 36.73	0.
1953	3, 733	69.21	1.78	4, 053 4, 713	84. 11	2. 14	2,027	42.08	1.
1955	3, 900	75. 26 78. 66	1.93 2.05	4, 713 4, 889	91.55 95.04	2. 29	2, 338 2, 484	45. 45 48. 29	1.
1956	4, 364	83.07	2. 17	5, 245	100.92	2. 44 2. 60	2,591	49.89	1
1958	4,632	87.24	2. 29 2. 35	5,553 5,816	104.68 108.13	2.73 2.80	2,760	52. 01 53. 48	1.
1959	4,852	90.07	2. 35	3,816	112. 49	2. 90	2,019	56.31	1.

¹ See footnote to Table 44.

Office Workers and Other Salaried Employees.—A survey of weekly earnings of administrative and office employees, classified into (a) managerial and professional employees and (b) office workers, was undertaken for the first time in 1951 and repeated again in 1954, 1957 and 1960. According to Table 49 below, average weekly salaries of all office and supervisory employees in 1960 averaged \$100.47. Male employees received \$116.41 and female employees \$57.98. The increase per week for all employees totalled \$34.49, for males \$38.86 and for females \$19.56.

The average weekly salary for office employees (clerical and related workers) rose between 1951 and 1960 from \$51.14 to \$72.10, an advance of 41 p.c. as compared with an advance of 52 p.c. for all salaried employees. The average for men classed in this group increased by \$25.73 to \$86.41 and for women by \$18.82 to \$56.59, representing advances of 42 and

50 p.c. respectively. This upward movement was more pronounced in the durable goods division than in non-durables.

The residual group of salaried employees composed mainly of managerial, professional and related staffs and professional salesmen, comprises a varied group, the composition of which may differ from firm to firm. Its components are affected not only by varying requirements for administrative and professional personnel but also by the extent to which proprietors and firm members (excluded from the survey) undertake such duties, and by the organization of separate sales offices. The managerial and professional employees reported in 1951 averaged \$98,38 per week, the men earned \$99.73 and the women \$57.04. Nine years later the average rose to \$132.06 for both sexes, \$134.56 for men and \$75.50 for women. Male employees in the managerial class received an increase of 35 p.c. since 1951 while female employees advanced only 32 p.c. Annual salaries of clerical and related workers rose much higher during this period, the increase for men being 42 p.c. and for women 50 p.c.

TABLE 49. Average Weekly Earnings of the Administrative and Office Employees in the Manufacturing Industries of Canada, classified on the Basis of (a) Managerial and Professional Employees and (b) Office Workers, by Province and Industrial Group, 1951, 1954, 1957 and 1960¹

Province and group	All sa	laried empl	oyees	Manager	rial and prof employees	essional	0	ffice worke	rs
* to since and group	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Province, 1951		l			dollars	1	1		
Newfoundland Prince Edward Island	62.04 46.90	70. 71 55. 98	30 - 80 26 - 75	116. 20	121.37		47.02	52.93	30. 19
Nova Scotia New Brunswick Que bec Ontario Manitoba Saskatchewan Alberta British Columbia Canada	58. 43 57- 65 64. 67 67. 29 60. 57 56. 35 62- 06 71- 10 65- 98	67. 83 68. 64 75. 77 79. 67 70. 20 64. 97 71. 12 81. 66 77. 55	31. 95 31. 72 37. 32 39. 49 35. 06 37. 25 36. 86 40. 03 38. 42	88-62 93-40 99-57 98-81 87-91 79-53 89-23 100-95 98-38	89. 34 93. 54 101. 30 100. 13 .88. 56 79. 98 89. 66 101. 78 99. 73	56- 35 57- 80 	49.00 44.96 50.04 52.02 47.28 44.73 49.32 55.75	57. 87 53. 97 58. 82 62. 44 55. 69 51. 31 57. 25 65. 46 60. 68	31. 66 31. 51 36. 54 38. 86 34. 53 36. 97 36. 48 39. 52 37. 77
Industrial group, 1951									
Foods and beverages Tobacco and tobacco products Rubber products Leather products Ctothing, including knitting mills Wood products Praper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	61-78 66-73 63-90 56-30 65-41 57-54 64-48 79-57 57-20 67-65 71-39 73-63 64-82 66-34 74-52 66-37 60-89	71. 15 78. 21 74. 59 66. 47 79. 67 72. 45 74. 34 93. 92 69. 61 78. 15 80. 85 85. 63 75. 51 76. 94 81. 92 78. 79 75. 50	37. 29 42. 41 37. 40 34. 33 36. 78 36. 85 37. 16 40. 60 36. 83 38. 30 41. 51 40. 21 38. 37 38. 61 42. 72 40. 31 36. 73	86. 89 87. 06 97. 48 90. 222 103. 41 95. 67 96. 70 125. 26 90. 05 101. 60 104. 15 100. 99 96. 41 97. 87 99. 87 93. 97 95. 30	87. 54 86. 56 98. 26 91. 58 105. 45 99. 62 97. 48 126. 91 93. 55 101. 79 97. 51 98. 31 101. 13 95. 77 97. 11	57. 65 	48. 31 56. 47 48. 40 45. 78 48. 21 44. 92 52. 56 56. 87 45. 02 53. 99 57. 79 52. 67 50. 64 47. 81 45. 96	56. 49 70. 18 56. 32 53. 97 58. 75 55. 32 61. 33 67. 67 53. 89 63. 14 66. 15 62. 06 59. 17 56. 55 56. 66	36. 72 41. 53 37. 09 33. 56 36. 08 35. 55 36. 69 40. 06 35. 65 37. 94 41. 32 39. 67 37. 83 38. 24 40. 72 39. 41 36. 20
Province, 1954 Newfoundland	71.39	80.34	37- 55	112-28	112.78		53.32	60. 20	37- 01
Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia	50. 04 65. 91 66. 18 76. 32 79. 67 68. 30 63. 96 74. 38 81. 81	58. 50 76. 73 77. 96 88. 64 93. 91 79. 10 74. 68 85. 34 93. 83	30. 60 35. 64 35. 98 44. 83 45. 88 39. 67 41. 65 43. 04 45. 22	91. 04 96. 48 107. 42 112. 90 96. 31 85. 69 103. 37 109. 02	91. 72 97. 32 109. 13 114. 38 97. 38 86. 34 103. 80 110. 32	64. 70 66. 15 58. 43	50. 52 51. 71 58. 24 60. 58 53. 52 50. 57 57. 01 62. 40	61. 35 62. 69 68. 80 73. 22 63. 35 60. 27 66. 81 74. 58	35. 17 35. 61 43. 77 45. 09 39. 00 41. 30 42. 82 44. 51
Canada	77. 81	90.99	45. 00	109.67	111.14	64. 89	59. 29	70.94	44. 10
Industrial group, 1954 Foods and beverages Tobacco and tobacco products Rubber products Leather products Textile products (except clothing) Clothing including knitting mills Wood products Printing, publishing and allied industries	70. 78 79. 50 74. 07 64. 44 72. 94 66. 24 74. 01 93. 19 67. 30	81. 40 93. 84 85. 57 77. 23 88. 28 84. 43 84. 81 109. 16 83. 19	42. 87 53. 44 43. 80 38. 96 41. 80 41. 82 41. 79 48. 45 42. 14	93. 93 105. 52 107. 27 92. 00 107. 28 96. 56 101. 31 135. 11 105. 92	94. 68 106. 59 107. 27 95. 04 108. 98 102. 45 101. 97 136. 86 108. 44	59. 38 51. 60 60. 52 55. 94 59. 23 67. 43 67. 64	54. 81 57. 85 55. 75 49. 26 51. 19 48. 30 56. 42 65. 42 51. 68	65. 06 68. 31 64. 87 59. 70 62. 10 60. 88 66. 58 78. 28 63. 28	42. 33 51.06 43. 24 37. 94 40. 99 40. 07 41. 36 47. 70 40. 92

TABLE 49. Average Weekly Earnings of the Administrative and Office Employees in the Manufacturing Industries of Canada, classified on the Basis of (a) Managerial and Professional Employees and (b) Office Workers, by Province and Industrial Group, 1951, 1954, 1957 and 1960¹ — Concluded

	All sal	aried emplo	oyees		al and profe employees	ssional	Of	fice workers	3
Province and group	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
					dollars				
Industrial group, 1954-Concluded Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	78.30 84.40 85.75 78.36 77.54 101.28 79.70 73.34	89. 57 95. 28 97. 90 90. 46 89. 31 116. 07 94. 51 89. 72	44.88 48.22 46.53 46.73 45.01 54.20 47.16 44.42	111. 19 119. 86 113. 05 111. 58 109. 49 138. 05 107. 44 105. 69	111. 81 120. 40 114. 06 112. 43 110. 18 142. 07 108. 94 107. 61	67. 79 71. 21 61. 79 71. 90 74. 81 71. 72 62. 80	60. 52 69. 64 64. 44 63. 44 58. 33 61. 61 56. 30 54. 06	70. 42 80.01 77.08 74.58 68.21 69.59 68.97 66.95	44. 43 47. 90 45. 96 46. 13 44. 44 51. 13 45. 62 43. 57
Province, 1957	05.00	95. 80	46. 16	116, 66	118.09		69.02	78.84	45, 64
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada	85, 90 63. 27 76. 14 74. 46 88. 34 92. 02 76. 85 75. 74 86. 65 93. 93 89. 92	74. 79 89. 06 87. 44 102. 24 107. 75 88. 89 88. 61 98. 54 107. 62	34. 66 41. 16 41. 58 51. 59 52. 91 44. 45 47. 50 50. 50 51. 79 51. 84	103. 77 108. 54 123. 44 127. 90 102. 74 102. 38 114. 94 123. 64	104. 87 110. 19 125. 91 129. 70 104. 91 104. 35 116. 66 124. 56	71. 15 75. 16 52. 88 61. 89 79. 64 72. 24	57. 79 58. 28 67. 12 69. 19 59. 66 57. 67 64. 97 72. 11 67. 98	70. 91 69. 94 78. 83 83. 25 71. 23 68. 14 75. 62 86. 96 81. 08	40. 71 40. 98 50. 48 51. 88 43. 90 47. 15 49. 83 50. 76 50. 80
Industrial group, 1957									
Poods and beverages. Tobacco and tobacco products Rubber products Leather products Leather products (except clothing) Clothing including knitting mills. Wood products Paper products Paper products Printing, publishing and allied industries Iron and steel products Tranaportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	81. 45 94. 84 83. 04 73. 62 82. 62 74. 32 83. 01 107. 34 77. 86 91. 31 99. 83 90. 21 90. 08 117. 21 93. 84 83. 07	93.85 112.78 95.90 88.85 94.69 94.69 124.63 95.81 104.50 107.45 113.43 103.91 102.27 134.46 109.75 100.92	49. 48 63. 24 49. 30 44. 03 47. 73 48. 00 47. 13 56. 60 49. 20 51. 37 55. 81 52. 92 51. 74 62. 30 55. 68 49. 89	106. 28 119. 38 115. 74 106. 64 116. 94 107. 17 112. 06 157. 49 111. 04 130. 54 132. 29 132. 20 128. 65 122. 66 157. 81 124. 44 117. 56	107. 49 129. 52 116. 78 110. 11 119. 81 113. 96 112. 76 159. 08 115. 00 131. 43 132. 82 133. 14 129. 85 123. 62 160. 77 126. 11 120. 27	61. 00 73. 92 59. 73 62. 73 64. 14 74. 32 83. 71 71. 50 73. 13 84. 29 73. 28 77. 28 78. 42 79. 81 85. 29 62. 82	62. 21 69. 67 63. 80 54. 92 60. 83 54. 76 62. 83 75. 35 56. 08 79. 84 72. 19 72. 59 67. 02 74. 51 64. 56 61. 48	74. 21 81. 83 74. 72 66. 73 74. 18 68. 15 74. 02 88. 60 68. 67 80. 50 91. 06 85. 51 85. 14 77. 65 86. 64 77. 34 75. 87	48. 99 59. 59. 59 49. 27 42. 79 46. 75 46. 17 46. 29 55. 69 46. 89 50. 87 55. 37 55. 37 55. 18 50. 94 59. 46 59. 46
Province, 1960		.0. 80	40.50	110 50	110 05	47 42	66.09	77. 21	46. 44
Newfoundland Prince Edward Island Nova Scotia. New Brunswick Quebec. Ontario. Manitoba Saskatchewan Alberta. British Columbia Canada	90. 98 66. 72 83. 63 87. 20 99. 17 102. 55 87. 02 86. 62 97. 05 107. 78	101.70 79.76 97.69 102.66 114.21 119.71 100.56 100.01 110.23 122.59	46.58 37.30 45.29 46.55 57.62 59.45 49.11 52.97 55.10 59.25 57.98	110. 56 112. 21 117. 41 131. 43 135. 20 114. 18 112. 99 123. 33 134. 70 132. 06	113. 85 113. 78 119. 99 134. 52 137. 62 115, 70 114. 83 124. 70 136. 45 134. 56	47. 43 60. 30 73. 65 78. 60 66. 37 73. 40 78. 30 75. 50	59.09 61.15 71.98 73.77 62.18 62.77 70.07 75.44 72.10	72. 23 74. 80 84. 83 88. 85 74. 96 73. 65 83. 61 91. 63 86. 41	44. 49 46. 51 56. 09 58. 05 48. 08 52. 31 54. 01 57. 81
Industrial group, 1960									E 1 0 -
Foods and beverages Tobacco and tobacco products Rubber products Leather products Textile products (except clothing) Clothing including knitting mills Wood products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	90, 52 103, 39 95, 70 79, 65 89, 14 80, 42 92, 94 117, 92 88, 87 102, 99 109, 45 110, 09 104, 55 99, 33 134, 58 106, 54 94, 00	104.37 124.19 110.53 95.06 105.50 99.86 105.52 135.84 109.77 116.79 121.58 124.77 119.50 110.78 152.33 124.92	54. 83 67. 06 55. 80 49. 33 51. 99 54. 66 53. 57 62. 46 56. 00 58. 22 64. 23 59. 07 59. 98 57. 45 70. 68 61. 61	115. 82 128. 94 127. 34 104. 45 114. 97 105. 96 118. 34 160. 88 120. 05 138. 19 143. 76 138. 08 137. 93 126. 67 176. 37 139. 69 126. 81	117. 43 143. 04 127. 95 107. 50 118. 14 114. 56 119. 47 162. 56 126. 33 139. 12 144. 24 140. 01 138. 87 127. 33 179. 87 141. 47 128. 48	68. 08 75. 11 65. 84 69. 54 69. 14 71. 33 81. 31 75. 38 85. 36 85. 93 73. 58 88. 12 86. 49 98. 60 89. 65 79. 41	66.41 70.46 69.90 60.51 60.58 58.43 68.21 78.07 59.90 74.04 85.30 77.24 81.91 69.88 83.85 69.15 65.54	79. 56 79. 85 83. 44 75. 69 73. 04 71. 57 81. 18 91. 57 72. 79 85. 93 96. 56 93. 10 97. 68 80. 08 96. 30 82. 11 80. 19	54. 02 63. 26 55.33 47. 60 51. 20 50. 95 52. 68 61. 66 52. 50 57. 29 59. 12 56. 27 67. 29 59. 73 55. 14

¹ Taken from the annual reports "Earnings and Hours of Work in Manufacturing", complied by the Employment Section of the Labour Division. The term "Administrative and Office Employees" as used by the annual survey of manufactures corresponds to the term "Salaried Employees" used by the Employment Section of the Labour Division.

⁻⁻ Number too small to be significant.

Distribution of Employees on the Basis of Weekly Earnings. - Prior to 1950 statistics on the distribution of employees on the basis of weekly earnings were compiled by the Industry and Merchandising Division in the annual census of manufactures, At first only wage-earners were covered and in 1944 salaried employees were also included. In 1946 this phase of manufacturing statistics was transferred to the Employment Section of the Labour Division. The 1950 survey which covered the last pay period in October made available data on the distribution of employees by earnings groups for the first time since the Census of Manufactures survey in January 1944. The data in the two surveys are not strictly comparable, largely because the earlier surveys included establishments employing less than 15 persons and were conducted for a different period of the year. Also the 1944 survey reflected wartime conditions.

Variation in the provincial distribution of employees by amounts earned are obviously related to pay levels, occupational and sex differences, number of casual and part-time workers, and length of the working week in the more important industries in each area. Most of the employees in the lowearnings ranges are casually-employed workers, or those who do not work full time in the week. Part-time work is particularly common among women; the 1952 survey showed that 11.9 p.c. of the female production workers reported in manufacturing worked 30 hours or less, as compared with 4.6 p.c. for men. Short-time or casual work is characteristic of such industries as fish processing and fruit and vegetable canning, the duration of employment depending on the immediate availability of

The tremendous change in the level of incomes of factory workers since the war is strikingly illustrated in Table 50. Whereas in 1940 only 3 p.c. of male and none of the female production workers received \$50 or more per week, in 1959 these percentages jumped to 89 and 32 respectively. The percentage of employees in the lower income groups declined accordingly. Whereas in 1940, 72 p.c. of male production workers received less than \$30 per week, in 1959 the percentage declined to 2. For female production workers the percentage in these groups declined from 99 to 23,

For office workers information on the distribution by income groups is only available for 1944, 1950, 1953, 1956 and 1959. Earnings by office workers, too, advanced to unprecedented heights. The percentage of male office workers receiving \$50 or more per week rose to 95 in 1959 from 39 in 1944, while for females the percentage in 1959 was 63 as compared with none in 1944. Tables 51 and 52 give the distribution by income groups of male and female production workers as well as office workers by provinces and major industrial groups for 1959.

TABLE 50. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, 1934-59

					C	lass rang	ge					Average
Year	Under \$10.00	\$10.00 to \$19.99	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 and over	weekly earnings
						per cent						\$
Male wage-earners:												
1934	12	43	32	10	2	12						20, 31
1936	10	40	35	11	3	12						20.92
1940	6	29	37	19	6	3²						24.82
1944	3	9	25	31	20	9	2	12				34, 95
1950¹	1	2	5	14	26	28	14	6	2	1	1	50,93
1953¹	1	2	2	5	12	21	27	16	7	3	4	62.71
1956¹		1	2	4	8	14	22	20	13	7	9	70.67
1959¹		1	1	3	6	9	14	20	18	11	17	79.20
Female wage-earners:												
	0.4	61		4								
1934	34 30	65	4	1 1 ²	-	-	_	No.		_		11.80
1940			8	12								12.20
	23	68	-									13.52
1944	10	45	33	10	2		4		4			20.89
19501	3	16 9	35 26	30	12	2	1 3		1	-		29.00
19531		7	19	28 26	20	10	7	1				35.07
19561	2	5			22	14		2	1			39.29
19591	2	5	16	23	22	15	10	5	2			43.36
Male salaried employees:												
1944	1	6	13	21	20	15	9	15 ²				46.24
1950¹	_	1	5	8	13	19	17	12	8	5	12	69.35
1953¹			2	3	7	11	15	14	13	10	25	86.43
1956¹			1	2	5	7	10	12	13	12	38	99.05
1959¹		1	1	3	5	7	9	11	11	20	32	112.78
Female salaried employees:												
1944	2	31	52	13	2	- !	_		- [-	- 1	23.79
19501	-	4	27	43	19	5	1	1		-	-	34.38
19531		2	9	30	34	17	5	2	1			43.13
19561		1	4	18	31	25	12	5	2	1	1	49.31
1959¹	1	3	10	23	27	19	10	4	2	1		55.73

¹ Statistics for 1950, to 1959 are taken from the annual reports ''Earnings and Hours of Work in Manufacturing'', compiled by the Employment Section of the Labour Division. The terms ''wage-earners'' and ''salaried employees'' in the above table correspond to the terms ''production and related workers'' and ''administrative and office'' employees in the annual survey of manufactures.

² And over.

⁻⁻ Number too small to be significant.

TABLE 51. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings and by Sex and Province, 1959

					(Class ran	ge					Augen
Province	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	Averag weekl earning
						per cen	t					\$
ale wage-earners:								10	_	10	7	67.2
Newfoundland	10	7	6	9	9	9	14	12	7	10		52.
Prince Edward Island ¹				1.0	4.4	10	177	11	6	7	3	67.4
Nova Scotia	3	4	7	12	14	16	17	10	6	6	2	65.
New Brunswick	2	3	8	15	15	14	19	14	9	8	6	74.
Quebec	1	2	4	8	12		19	20	12	12	8	82.
Ontario	1		2	4	8	14	22	21	9	6	4	75.
Manitoba	1	1	3 2	6 5	11	20	18	18	11	10	3	76.
Saskatchewan	1	1	1	3	8	17	23	20	12	10	4	79.
Alberta	1	1	1	2	3	8	25	21	16	15	7	86.
British Columbia	1	1	1				20					
Canada	1	1	3	6	9	14	20	18	11	11	6	79.
Female wage-earners:												
Newfoundland	48	32	14	5	1	-			-	-	-	20.
Prince Edward Island ¹												26.
Nova Scotia	15	40	27	14	3	1				-	_	29.
New Brunswick	16	33	27	18	3	2	1			_	_	30.
Quebec	8	20	24	22	13	9	3	1				40.
Ontario	6	10	21	24	18	12	6	2	1			46.
Manitoba	6	19	30	22	12	7	3	1				40.
Saskatchewan	3	5	22	16	20		11	2		_	-	50.
Alberta	8	12	21	14	18	12	11	3	1			47.
British Columbia	6	7	15	18	15	20		3	1			50.
Canada	7	16	23	22	15	10	5	2			-	43.
Male salaried employees:										1	-	
Newfoundland		1	6	11	10	8	7	7	9	14	27	1
Prince Edward Island ¹												74
Nova Scotia		1	3	6	9	1		1	8		1	1
New Brunswick	1	1	2	11	11		1	1	9			-
Quebec		1	2	4	5		1		10			}
Ontario			1	2	4		1		12		1	
Manitoba			2	5	6				1	1	1	1
Saskatchewan		~ ~	2			1					1	
Alberta			1	3			1		1			1
British Columbia			1	2								
Canada		1	1	3	5		9		11	20	3.0	112
Female Salaried employees:	10	10	20	17	10	14	. 5	. 2	1		_	44
Newfoundland		12	20	17	19	1,	3		1			36
Prince Edward Island ¹	1	0	30	30	19	,	7 3	. 1	. 1			
Nova Scotia	1								1			43
New Brunswick	1			1		1				1		
Quebec					1							
Ontario		1						1		1		
Manitoba		1										
Saskatchewan					1				1			
Alberta		_			1	1	1		1	1	2 1	i
British Columbia		4		20	3,	. 4	-					
Canada	. 1	1 3	3 10	23	3 2'	7 1	9 10	0 4	L :	S	1 -	5

¹ Breakdown by class range not available.

⁻⁻ Number too small to be significant.

TABLE 52. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, and by Sex and Industrial Group, 1959

and by Sex and Industrial Group, 1959												
					C	lass rang	ge					
Group	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	\$120.00 and over	Average weekly earnings
			r.			per cent						\$
Male wage-earners:												
Food and beverages	3	3	4	7	12	18	18	16	10	6	3	71.54
Tobacco and tobacco products	••	1	1	5	4	6	37	21	10	10	5	81.81
Rubber products			1	3	8	15	18	18	14	15	8	83.60
Leather products	4	7	11	14	19	20	14	7	3	1		56.34
Textiles, except clothing	1	1	6	17	24	21	14	8	4	3	1 .	63.15
Clothing, including knitting mills	3	5	10	14	16	16	14	9	6	6	1	62.73
Wood products	2	2	5	12	17	17	23	11	6	4	1	66.23
Paper products		1	1	2	5	10	25	17	14	15	10	88.19
Printing, publishing and allied industries	2	2	4	6	7	7	8	10	14	20	20	92.60
Iron and steel products	1	1	1	2	5	13	20	21	14	14	8	86.45
Transportation equipment			1	2	5	14	23	28	11	10	6	83.12
Non-ferrous metal products		1	1	2	5	10	18	25	20	14	4	84.67
Electrical apparatus and supplies	1	1	1	4	7	15	23	19	12	11	6	81.53
Non-metallic mineral products	1	1	1	3	8	19	24	18	11	9	5	79.18
Products of petroleum and coal					1	3	10	18	20	34	14	99.39
Chemicals and allied products		1	1	2	6	14	21	22	14	14	5	83.86
Miscellaneous industries	2	2	5	11	15	19	17	12	7	7	3	69.86
All groups	1	1	3	6	9	14	20	18	11	11	6	79. 20
Female wage-earners:												
Foods and beverages	12	17	20	18	13	13	5	2				41.52
Tobacco and tobacco products	~ *	1	4	6	21	40	23	3	1	1		62.94
Rubber products	3	6	15	20	32	15	6	2	1			50.97
Leather products	8	20	33	23	11	4	1					37. 27
Textiles except clothing	4	11	22	33	20	7	2	1				43.67
Clothing, including knitting mills	9	23	28	21	11	5	2	1		••		37.69
Wood products	5	11	22	22	14	9	14	2	1		-	46.74
Paper products	3	8	20	30	22	11	4	1	1		••	45.97
Printing, publishing and allied industries	7	12	23	26	19	7	3	1	1	1		43.54
Iron and steel products	2	5	13	18	20	19	11	8	3	1		56.27
Transportation equipment	1	4	11	13	17	18	30	4	1	1	8940	58.93
Non-ferrous metal products	4	16	26	23	16	11	3	1			-	42.64
Electrical apparatus and supplies	2	3	14	21	21	23	10	4	1	1		55, 34
Non-metallic mineral products	3	7	12	17	32	18	9	2	~~			52.17
Products of petroleum and coal ¹												
Chemicals and allied products	3	8	17	36	22	10	3	1				46.52
Miscellaneous industries	4	16	28	24	13	9	3	2	1			42.55
All groups	7	16	23	22	15	10	5	2		••		43. 46

¹ Breakdown by class range not available.

⁻⁻ Number too small to be significant.

TABLE 52. Distribution of Employees in the Manufacturing Industries, by Classes of Weekly Earnings, and by Sex and Industrial Group, 1959 - Concluded

	and by S	Sex and	Industri	al Grou	р, 1959	- Conc	luded					
					Cl	ass range						
Group	Under \$20.00	\$20.00 to \$29.99	\$30.00 to \$39.99	\$40.00 to \$49.99	\$50.00 to \$59.99	\$60.00 to \$69.99	\$70.00 to \$79.99	\$80.00 to \$89.99	\$90.00 to \$99.99	\$100.00 to \$119.99	and	Average weekly earnings
						per cent						\$
Male salaried employees:												
Foods and beverages			1	4	7	10	13	14	12	18	21	102.10
Tobacco and tobacco products			1	3	4	7	9	16	12	18	30	122.90
Rubber products			1	3	5	9	10	13	13	20	26	108.22
Leather products		1	3	6	8	12	16	16	10	12	16	93. 05
Textiles except clothing		1	2	4	7	11	12	13	10	16	24	101.75
Clothing, including knitting mills	1	2	4	6	9	10	12	10	8	15	23	96.55
Wood products			1	3	6	9	13	13	12	19	24	101.13
Paper products			1	2	3	5	7	10	10	18	44	130.55
Printing, publishing and allied industries	1	2	4	5	6	8	9	9	9	17	30	105.46
Iron and steel products			1	2	4	7	9	12	12	20	33	113.18
Transportation equipment			••	2	2	5	8	10	12	25	36	118.06
Non-ferrous metal products			1	2	3	4	6	9	11	23	36	120.77
Electrical apparatus and supplies				2	3	5	7	10	13	24	27	107.75
Non-metallic mineral products		••	1	3	5	8	10	12	13	19		
Products of petroleum and coal	***			1	2	4	5	7	8	20		
Chemicals and allied products				2	4	6		10	11	19		
Miscellaneous industries		1	1	3	6	8	10	12	11	15	20	100, 10
All groups	en en	1	1	3	5	7	9	11	11	20	32	112.78
Female salaried employees:									1	,		E2 41
Foods and beverages	1	3	11	25	27	19		4		1		53.41
Tobacco and tobacco products			4	11	21	24					1	
Rubber products		2	9	27		20		1				
Leather products	}		21	32		11		}	and the second	1		
Textiles, except clothing	1		17	31		15						50.14
Clothing, including knitting mills			1									
Wood products												
Paper products		1				,						
Printing, publishing and allied industries	1											
Iron and steel products		2	9									
Transportation equipment		1								1 2		56.05
Non-ferrous metal products	1											
Electrical apparatus and supplies	1 .											
Non-metallic mineral products												
Products of petroleum and coal												
Chemicals and allied products			1									
Miscellaneous industries		3	9	24	33	20						
All groups	. 1	1 3	10	23	27	19	9 10	4	2	2 1	1	55, 73

⁻⁻ Number too small to be significant.

Real Earnings of Employees in Recent Years, — When the index number representing the average yearly earnings of production workers is divided by the consumer price index, on the same base, a measure of "real" income is obtained. Index numbers for 1931 to 1960 are given in Table 53. In 1933.

the height of the depression, real earnings were 63.9 on the 1949 base. From then on they rose steadily and stood at 101.5 in 1944, an increase of about 59 p.c. In 1946 real earnings dropped to 94.6 and from then on continued to rise each year. In 1960 the index stood at 138.1.

TABLE 53. Average Yearly Earnings, and Index Numbers of Earnings, Consumer Price Index and Real Earnings of Production Workers in the Manufacturing Industries, 1931-60

				Inde	numbers (1949	± 100)
Year	Payments to production workers	Average number employed	Average yearly earnings	Average yearly earnings	Consumer price index	Real value of average yearly earnings
	\$	No.	\$			
1931	415, 277, 895	437, 149	950	46.0	67.9	67.7
1932	322, 245, 926	381,783	844	40.8	61.7	66.1
1933	296,929,878	382,022	777	37,6	58.8	63.9
1934	355,090,929	427,717	830	40. 2	59.6	67.4
1935	399,012,697	458,734	870	42.1	59.9	70.3
1936	438, 873, 377	489,942	896	43.3	61.1	70.9
1937	525, 743, 562	544, 624	965	46.7	63.0	74.1
1938	498, 282, 208	521, 427	956	46. 3	63.7	72.7
1939	519,971,819	533, 342	975	47. 2	63. 2	74.7
1940	679, 273, 104	626,484	1,084	52.4	65.7	79.8
1941	978, 525, 782	802, 234	1, 220	59.0	69.6	84.8
1942	1,347,934,049	974,904	1,383	66.9	72.9	91.8
1943	1, 598, 434, 879	1,047,873	1,525	73.8	74. 2	99.5
1944	1,611,555,776	1,030,324	1, 564	75.7	74.6	101.5
1945	1, 427, 915, 830	928,665	1,538	74.4	75.0	99.2
1946	1, 329, 811, 478	877, 150	1,516	73.3	77.5	94.6
1947	1,611,232,166	940,650	1,713	82.9	84.8	97.8
1948	1,876,773,231	957,491	1,960	94.8	97.0	97.7
1949	1, 963, 462, 720	949,656	2,067	100.0	100.0	100.0
1950	2,078,634,086	952, 244	2, 183	105.6	102.9	102.6
1951	2, 459, 566, 313	1,010,588	2, 434	117.8	113.7	103.6
1952	2,713,714,909	1,025,355	2,647	128.1	116.5	110.0
1953	2,940,338,939	1,053,226	2, 792	135. 1	115. 5	117.0
1954	2, 821, 586, 476	989,030	2,853	138.0	116.2	118.8
1955	2, 995, 267, 448	1,010,992	2,963	143. 3	116. 4	123. 1
1956	3, 298, 666, 205	1,051,723	3, 136	151.7	118.1	128.5
1957	3, 416, 226, 250	1,045,177	3, 269	158. 2	121.9	129.8
1958	3, 333, 171, 979	981,735	3,395	164. 2	125. 1	131. 3
1959	3, 543, 455, 707	997,907	3, 551	171.8	126.5	135.8
1960	3,600,199,566	984, 985	3,655	176.8	128.0	138.1
	-, 555, 556					

Percentage of Salaries and Wages to Net Value of Products. — Table 54 shows the relation between salaries and wages paid by manufacturers and the total net value of production or value added by manufacture. Figures of gross production are often used in such calculations, but the values out of which the wages of employees must come in the long run are the values added to the raw materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for payment of salaries and wages, interest, rent, taxes, repairs and all other overhead charges that ordinarily must be met.

The percentage of salanes or payments to office workers fluctuate more widely than payments to production workers and has steadily been increasing during the past decade from a low of 10.8 in 1948 to a high of 15.2 in 1960. There was only one year, viz. 1933, when the percentage was higher than 15.0. The high percentage of 15.1 in 1933 was due to the sharp decline in manufacturing production which was unaccompanied by a corresponding decline in office employment.

The increasing percentage of salaries to value added is due in part to the inclusion of professional and technical employees with salaried workers. With the rapid expansion in manufacturing production during the past decade this type of employment has been increasing rapidly. There is also another factor in the relatively larger increase in office employees. As firms increase in size there is a tendency to perform more and more functions themselves, functions which in the case of smaller firms are performed by independent specialist firms outside the manufacturing field. For example, a firm when it gets larger might decide to do its own selling instead of selling through wholesalers. So without increasing the number of production workers, the office staff would automatically be increased, since now it will include a sales manager and additional clerks for the extra work involved. Other functions such as research, advertising, etc. are increasingly being done by a firm's own staff which tends to increase the number of administrative and office employees in manufacturing without a corresponding increase in the number of wage-earners or production workers.

Production workers on the other hand can be more readily adjusted to the fluctuations in manufacturing activity and wage levels likewise may be more readily adjusted to the price levels of products, so that the percentage of earnings of production workers to value added has a narrower range than that of office workers. In this case the percentage during the past decade ranged from a high of 36.8 in 1953 to a low of 34.0 in 1958. In contrast to the percentage of salaries paid to value added which has been increasing during the past decade, the percentage payments to production workers has been declining during the same period. There was a increase of 34.0 p.c. in the number of administrative and office employees as compared with an increase of only 3.4 p.c. for production workers during the period 1950-60. Of the increase in the value added by manufacture since 1950 amounting to \$4,591,150,765, \$2,435,899,958 or 53.1 p.c. was passed along in increased salaries and wages.

TABLE 54. Percentage of Salaries and Wages Paid to the Value Added by Manufacture Significant Years, 1917-60

	Value	Payme	nts to		Percentages	
	added by manufacture ¹	Administrative and office workers	Production workers	Office payments to value added	Production payments to value added	Total payments value added
		dollars			per cent	
1917	1, 281, 131, 980	85, 353, 667	412, 448, 177	6.7	32. 2	38.9
	1, 621, 273, 348	141, 837, 361	575, 656, 515	8.7	35. 5	44.2
	1, 123, 694, 263	130, 094, 076	367, 305, 685	11.6	32. 7	44.3
	1, 305, 168, 549	142, 353, 900	483, 328, 342	10.9	37. 0	47.9
	1, 755, 386, 937	175, 553, 710	601, 737, 507	10.0	34. 3	44.3
1933	919,671,131	139,317,946	296, 929, 878	15. 1	32.3	47.4
	1,508,924,867	195,983,475	525, 743, 562	13. 0	34.8	47.8
	1,531,051,901	217,839,334	519, 971, 819	14. 2	34.0	48.2
	4,015,776,010	418,065,594	1, 611, 555, 776	10. 4	40.2	50.6
	3,564,315,899	417,857,619	1, 427, 915, 830	11. 7	40.1	51.8
1946	3,467,004,980	410,875,776	1,329,811,478	11.8	38.4	50.2
	4,292,055,802	474,693,800	1,611,232,166	11.0	37.6	48.6
	4,938,786,981	532,594,959	1,876,773,231	10.8	38.0	48.8
	5,330,566,434	628,427,937	1,963,462,720	11.8	36.8	48.6
	5,942,058,229	692,633,349	2,078,634,086	11.6	35.0	46.6
1951	6,940,946,783	816, 714, 604	2, 459, 566, 313	11.8	35.4	47.2
	7,443,533,199	923, 905, 251	2, 713, 714, 909	12.4	36.5	48.9
	7,993,069,351	1, 016, 679, 409	2, 940, 338, 939	12.7	36.8	49.5
	7,902,124,137	1, 075, 101, 215	2, 821, 586, 476	13.6	35.7	49.3
	8,753,450,496	1, 147, 142, 086	2, 995, 267, 448	13.1	34.2	47.3
1956	9,605,424,579	1,272,025,985	3, 298, 666, 205	13.2	34.4	47.6
	9,822,084,726	1,403,401,749	3, 416, 226, 250	14.3	34.8	49.1
	9,792,505,931	1,469,324,281	3, 333, 171, 979	15.0	34.0	49.0
	10,320,962,881	1,529,617,999	3, 543, 455, 707	14.9	34.3	49.2
	10,533,208,994	1,606,967,827	3, 600, 199, 566	15.2	34.2	49.4

¹ Equivalent to "Net value of products", see footnote 1, Table 7.

Subsection 6. Size of Manufacturing Establishments

The size of the manufacturing establishment is generally measured either by the value of product or by the number of employees, but each of these methods has its limitations. The latter takes no account of the differences in capital equipment at different times or in various industries and obviously the increased use of machinery, as in the flourmilling industry, may lead to an increase in production concurrently with a decrease in number of employees. The former measure has to be adjusted for changes in the price level and, as between industries, it makes those in which the cost of raw materials is relatively high appear to operate on a larger scale. Also in measuring size on the basis of employment, industries with a high capital investment in machinery and equipment are underrated as compared with industries lacking such equipment and consequently employing a relatively larger labour force.

Size as Measured by Gross Value of Products. — While in 1922 the 420 establishments each producing over \$1,000,000 had an aggregate value of products of \$1,268,056,129 or 51 p.c.

of the total production of all manufacturing industries, the 719 establishments producing over \$1,000,000 each in 1929 had an aggregate value of products of \$2,516,064,954, or 62 p.c. of the grand total for all manufacturing establishments - a very significant change in the short period of eight years. In 1931, however, the number of plants with a production of over \$1,000,000 dropped again to 482, their output being valued at \$1,451,658,954, or 53 p.c. of the total. With the increased production resulting from war needs, the number of plants with a production of \$1,000,000 or over jumped to 1,376 in 1944 and their output was about 75 p.c. of the total value of manufactures. With the end of the war and the consequent decline in production of the huge war plants the number of establishments with a production of \$1,000,000 or over, although increasing to 1,442 in 1946, nevertheless saw a decline in the proportion of their output to 67 p.c. of the total. With increased prices and an expansion in the physical volume of production during 1947 to 1960, establishments with a production of \$1,000,000 or over increased to 3,498 while their contribution of the total output rose to 81 p.c.

TABLE 55. Manufacturing Establishments, classified according to Gross Value of Products 1929, 1939, 1944 and 1960

		1929¹			1939²	
Group of gross values	Estab- lishments	Total production	Average per estab- lishment	Estab- lishments	Total production	Average per estab- lishment
	No.	dolla	rs	No.	dolla	rs
Under \$25,000	14, 024 2, 802 2, 209 1, 688 1, 519 636 601 118	106,735,470 99,529,725 156,308,744 237,532,492 504,218,217 443,597,677 1,217,866,089 1,298,198,865 4,063,987,279	7, 611 35, 521 70, 760 140, 718 331, 941 697, 481 2, 026, 400 11, 001, 685	15, 623 2, 803 2, 215 1, 584 1, 285 689 520 81	120, 903, 054 99, 558, 383 156, 410, 769 225, 582, 130 390, 626, 844 466, 441, 130 1, 091, 293, 339 923, 724, 311 3, 474, 540, 560	7,739 35,519 70,614 142,413 303,990 676,983 2,098,642 11,404,004
		1944			1960³	
Under \$25,000 \$ 25,000 but under \$ 50,000 50,000 '' 100,000 100,000 '' 200,000 500,000 '' 500,000 1,000,000 '' 5,000,000 5,000,000 and over	13, 942 4, 011 3, 442 2, 513 2, 256 943 1, 089 287	128, 782, 147 143, 023, 914 245, 273, 500 355, 235, 489 714, 546, 348 661, 670, 696 2, 294, 546, 053 4, 530, 614, 372	9, 237 35, 658 71, 259 141, 359 316, 731 701, 666 2, 107, 021 15, 786, 113	11,664 5,044 4,937 4,511 4,651 2,377 2,723 775	121,760,598 181,631,031 354,936,319 641,077,012 1,478,893,940 1,683,585,980 5,771,254,154 13,514,318,049	10,439 36,009 71,893 142,114 317,973 708,282 2,119,447 17,437,830

TABLE 56. Manufacturing Establishments classified according to Selling Value of Factory Shipments by Industrial Groups, 1960

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	nber		do	llars	
All manufacturing industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 500,000 " 499,999 1,000,000 " 499,999 1,000,000 " 4,999,999 1,000,000 and over Head offices'	6,171 5,493 5,044 4,937 4,511 4,651 2,377 2,723 775	7,084 15,046 25,026 41,223 61,448 125,046 128,429 354,829 519,608 16,890	10,827,770 33,323,064 62,848,092 115,103,691 188,035,499 410,019,097 437,485,155 1,348,644,140 2,490,707,604 110,173,281	1,004,970 2,622,776 4,299,176 7,965,933 12,727,29 25,929,585 26,564,835 100,073,922 379,958,812	13,140,133 40,199,994 80,951,436 167,533,601 321,043,277 760,915,238 875,705,431 2,987,641,820 7,457,939,890	29,655,193 92,105,405 181,631,031 354,936,319 641,077,012 1,478,893,940 1,683,885,980 5,771,254,154 13,514,318,049
Totals	36, 682	1, 294, 629	5, 207, 167, 393	561, 147, 307	12, 705, 070, 820	23, 747, 457, 083
Food and beverage industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 4,999,999 5,000,000 " 4,999,999 Head offices'	738 1,253 1,294 1,394 1,298 1,142 539 648 182	996 3,298 5,558 8,686 11,610 19,577 20,787 60,957 65,632 1,510	1, 276, 895 6, 147, 657 11, 252, 500 20, 833, 585 30, 749, 564 57, 230, 301 65, 234, 702 212, 411, 354 286, 827, 455 9, 019, 801	219, 315 922, 173 1, 574, 081 3, 025, 202 4, 674, 394 8, 034, 131 7, 601, 675 21, 837, 459 22, 902, 388	1,753,997 11,422,660 26,433,064 62,693,405 123,544,179 234,152,603 245,487,922 862,482,676 1,550,229,825	3,781,143 21,762,077 46,456,706 100,930,681 185,646,698 355,517,183 380,627,280 1,991,991,031 2,393,580,853
Totals	8,488	198, 611	700, 983, 814	70, 790, 818	3, 118, 200, 331	4,880,293,652
Tobacco products industries: Under \$10,000 \$ 10,000 to \$ 99,999 100,000 " 199,999 200,000 " 999,999 1,000,000 " 4,999,999 5,000,000 and over Head offices'	4 4 3 5 7 17	7 42 64 136 847 8,628	7,656 91,916 162,325 370,925 2,521,787 35,182,738 17,065	496 5, 117 13, 131 22, 553 129, 553 804, 165	5,710 138,136 220,461 2,251,611 8,576,693 205,161,619	15,531 232,380 468,103 2,800,770 15,055,126 315,841,725
Totals	40	9,731	38, 354, 483	975, 267	216, 354, 230	334, 413, 635

¹ Under this heading are included only those head offices which are not located at the plant.

Includes central electric stations and dyeing, cleaning and laundry establishments.
 Exclusive of Yukon and the Northwest Territories.
 The figures for 1960 are "Value of factory shipments" and not "production". They also include Newfoundland.

TABLE 56. Manufacturing Establishments classified according to Selling Value of Factory Shipments, by Industrial Groups, 1960 — Continued

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	nber		dolla	ars	
Rubber industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 199,999 200,000 " 499,999 5,000,000 " 999,999 1,000,000 " 4,999,999 5,000,000 " 4,999,999 5,000,000 and over	6 9 4 10 18 9 18	10 25 19 102 588 504 3,463 15,600	25,944 75,621 42,462 342,878 2,009,484 1,786,154 12,008,480 68,234,512	1,215 2,325 3,432 20,839 125,944 139,206 926,210 4,002,668	10, 101 76, 052 52, 657 526, 953 2, 263, 114 3, 428, 601 21, 130, 210 125, 172, 610	30,097 172,484 122,205 1,224,814 6,209,822 6,576,110 45,131,121 263,586,465
Totals	92	20, 311	84,525,519	5,221,839	152, 660, 298	323, 053, 118
Leather industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 94,999 100,000 " 99,999 200,000 " 199,999 500,000 " 999,999 5,000,000 " 999,999 5,000,000 " 4,99,999 5,000,000 " 4,99,999 5,000,000 " 4,99,999	55 63 58 71 78 134 72 74 3	75 167 346 727 1,492 5,602 6,268 14,329 1,418	141, 489 347, 519 802, 348 1,737, 318 3,844,845 14,164,948 16,236,588 41,608,945 5,034,955	9,153 21,248 32,017 51,649 95,578 341,411 304,631 1,111,410 298,896	130,020 448,190 987,486 2,388,833 4,992,411 22,042,009 23,743,858 69,933,185 9,770,615	311,910 992,590 2,143,513 5,105,972 10,845,845 44,536,711 49,926,338 137,557,777 16,693,653
Totals	608	30,424	83,918,955	2,265,993	134, 436, 607	268, 114, 309
Textile industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 399,999 1,000,000 " 499,999 5,000,000 and over Head offices*	87 99 118 124 130 123 76 135 32	141 348 736 1,275 2,078 3,775 4,229 22,174 24,899 2,101	251,743 771,958 1,913,047 3,402,299 5,813,586 11,246,849 12,830,768 71,017,158 87,076,61 12,176,551	13,766 34,953 71,254 161,413 325,572 647,942 826,700 4,850,786 8,010,014	109,015 539,914 1,348,653 3,718,585 8,392,040 21,214,655 33,289,701 169,779,998 192,189,221	461, 297 1,654,177 4,309,139 9,076,342 18,555,846 41,007,112 55,664,226 301,412,902 378,381,892
Totals	924	61,756	206, 500, 220	14,942,400	430,561,782	810, 522, 933
Knitting mills: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 39,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 and over Head offices¹ Totals	13 16 24 45 48 105 53, 58	24 69 151 493 959 3,695 4,249 10,787 338	36, 663 119, 382 313, 488 1, 137, 186 2, 270, 852 9, 519, 37 10, 534, 363 28, 749, 235 1, 370, 383	3, 119 3, 468 13, 286 43, 500 67, 407 267, 525 360, 122 993, 241 —	28,526 165,233 383,501 1,651,527 3,481,297 17,734,620 20,950,162 59,690,680	68, 286 279, 479 849, 170 3, 294, 273 7, 000, 487 33, 455, 872 39, 739, 644 113, 472, 583
Clothing industries: Under \$10,000	120 199 273 403 423 538 265 163 7	244 893 2,173 5,594 8,534 18,936 19,394 25,845 5,003 259	362, 225 1, 629, 284 4, 202, 674 12, 121, 166 21, 406, 255 49, 568, 714 51, 982, 093 70, 738, 122 13, 746, 644 1, 456, 704	12, 033 59, 857 120, 603 225, 916 304, 209 676, 187 624, 886 882, 143 126, 849	244,778 1,301,843 4,133,674 12,008,666 28,686,108 90,521,546 98,604,963 144,522,719 22,707,901	699,721 3,493,576 10,092,015 29,407,542 60,008,298 171,151,728 185,193,084 265,590,894 44,831,631
Totals	2, 391	86,875	227, 213, 881	3,032,683	402, 732, 198	770, 468, 489
Wood industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 500,000 " 499,999 500,000 " 999,999 500,000 " 999,999 1,000,000 " 4,999,999 5,000,000 " 4,999,999 Head offices "	2, 924 1, 254 923 800 636 529 232 172 20	2,542 3,156 4,250 6,352 8,809 14,491 12,015 20,116 12,553 978	2, 687, 628 5, 012, 340 8, 436, 764 15, 268, 668 24, 073, 306 45, 768, 938 41, 206, 915 78, 906, 350 56, 070, 486 6, 090, 022	326,718 511,888 828,088 1,348,495 2,123,484 3,544,707 2,778,895 4,596,142 2,111,267	6,632,006 11,363,592 18,208,493 30,589,993 48,075,336 93,716,061 91,605,739 185,390,598 112,549,453	11,757,727 20,405,980 32,975,897 56,697,329 89,049,157 168,231,051 163,447,827 326,542,452 198,934,107
Totals	7,490	85, 262	283, 521, 417	18, 169, 684	598, 131, 213	1,068,041,527

¹ Under this heading are included those head offices which are not located at the plant.

TABLE 56. Manufacturing Establishments classified according to Selling Value of Factory Shipments, by Industrial Groups, 1960 - Continued

Tissage	ng value factory pments , 894, 030 , 178, 331 , 431, 206 , 402, 632 , 027, 789 , 746, 132
Furniture and fixture industries: Under \$10,000	, 178, 331 , 431, 206 , 402, 632 , 027, 789 , 746, 132
Under \$10,000	, 178, 331 , 431, 206 , 402, 632 , 027, 789 , 746, 132
	, 854, 246 , 446, 458
Totals 2,099 34,206 112,660,387 3,801,205 166,268,761 347	,980,824
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	64,702 290,754 ,144,056 ,656,912 ,585,939 ,299,286 ,766,406 ,764,530 ,534,612
Totals	, 107, 197
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$,734,008 ,002,017 ,116,173 ,604,368 ,083,613 ,714,941 ,692,366 ,044,361 ,938,882
Totals	, 930, 729
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	169, 132 486, 980 ,273, 080 ,455, 483 ,101, 845 ,868, 158 ,545, 749 ,277, 717 ,341, 887
Totals	, 520, 031
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$, 499, 795 , 584, 060 , 707, 278 , 584, 060 , 707, 278 , 084, 738 , 176, 854 , 035, 818 , 693, 705 , 493, 234
Totals	, 904, 803
200,000 " 499,999 99 2,531 11,800,125 461,353 13,765,661 30, 500,000 " 999,999 76 4,321 19,338,627 707,077 24,448,495 56, 1,000,000 " 4,999,999 106 15,586 68,344,998 2,061,385 107,346,557 231, 5000,000 and over 19 18,925 93,308,483 3,176,259 145,997,290 304, Head offices¹ - 84 673,596	108, 981 515, 942 410, 357 423, 539 528, 725 964, 691 716, 387 427, 782 362, 563
Totals	458, 967

¹ Under this heading are included only those head offices which are not located at the plant.

TABLE 56. Manufacturing Establishments classified according to Selling Value of Factory Shipments, by Industrial Groups, 1960 — Concluded

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		dol	llars	
Transportation equipment industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 500,000 " 199,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 4,999,999 1,000,000 " 4,999,999 1,000,000 and over Head offices	89 97 80 66 62 85 63 97 48	132 309 364 634 1,069 2,695 3,970 18,473 81,300 471	215, 780 763, 040 1,066, 773 2,026,054 3,815,852 10,505,645 16,121,376 78,544,306 401,499,543 3,794,417	12,525 40,881 51,067 104,136 164,516 435,247 665,442 3,312,426 15,512,939	168,577 612,916 1,000,915 1,777,507 4,022,925 10,849,141 19,921,194 98,026,169 959,705,379	437,777 1,574,226 2,760,968 4,839,555 9,434,942 26,973,504 44,878,219 231,301,352 1,678,488,703
Totals	687	109,417	518, 352, 786	20, 299, 179	1, 096, 084, 723	2,000,689,246
Electrical products industries: Under \$10,000 \\ \$ 10,000 to \$ 24,999 \\ 25,000 '' 49,999 \\ 50,000 '' 99,999 \\ 200,000 '' 499,999 \\ 200,000 '' 499,999 \\ 1,000,000 '' 499,999 \\ 1,000,000 '' 4,999,999 \\ 1,000,000 do do over-\\ Head offices'	18 18 38 54 56 89 77 141	27 56 169 485 804 2,652 4,488 22,726 46,813 428	43, 792 154, 074 556, 126 1, 679, 745 2, 717, 046 9, 246, 154 15, 901, 258 93, 506, 512 221, 898, 812 2, 884, 708	2,335 3,004 31,727 69,328 146,866 356,611 514,574 3,547,430 7,038,792	36,625 185,738 626,734 1,806,615 3,742,801 12,931,123 28,461,536 164,610,343 333,594,10	96, 189 327, 207 1, 392, 529 3, 999, 364 8, 022, 343 29, 441, 837 56, 700, 666 341, 804, 295 734, 181, 803
Totals	548	78, 648	348, 588, 227	11,710,667	545, 995, 616	1,175,966,233
Non-metallic mineral products industries: Under \$10,000 \\ \$ 10,000 to \$ 24,999 \\ 25,000 '' 49,999 \\ 50,000 '' 99,999 \\ 200,000 '' 499,999 \\ 200,000 '' 499,999 \\ 500,000 '' 999,999 \\ 1,000,000 '' 4,999,999 \\ 5,000,000 and over \\ Head offices'	187	313 662 891 1,629 2,407 4,579 4,233 13,995 12,116	448,409 1,408,745 2,349,517 4,940,215 8,191,270 17,107,963 17,159,606 62,531,662 54,916,800 4,383,913	53,874 168,409 255,671 800,144 1,309,364 3,797,921 4,285,373 17,852,880 19,179,223	361,157 1,157,373 2,212,832 4,943,762 9,321,806 21,869,596 27,560,420 88,757,913 74,565,479	899,021 3,365,603 5,928,912 13,696,147 24,528,787 56,164,648 66,971,109 254,976,902 220,930,451
Totals	4	41, 606	173, 438, 100	47, 702, 859	230, 750, 338	647,461,580
Petroleum and coal products industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 499,999 1,000,000 " 4,99,999 1,000,000 " 4,99,999 1,000,000 " 4,99,999 1,000,000 " 4,99,999 1,000,000 " 4,99,999 1,000,000 " 4,99,999 1,000,000 " 4,99,999 1,000,000 " 4,99,999 1,000,000 " 4,99,999 1,000,000 " 4,99,999	3 6 7 5 11 5 17	10 11 21 31 47 85 118 897 10,355 2,938	21,590 32,380 64,065 120,351 174,492 352,542 502,446 4,702,371 60,403,154 19,073,520	2,138 13,603 6,801 39,350 11,847 127,148 49,179 1,803,490 48,018,147	15,616 52,887 58,936 202,780 384,799 2,164,943 1,401,742 24,700,987 844,650,920	44,550 46,004 197,734 522,565 798,778 3,787,433 3,293,948 39,591,222 1,149,685,524
Totals	96	14, 513	85, 446, 911	50, 071, 703	873, 633, 610	1, 197, 967, 758
Chemical and chemical products industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 200,000 " 199,999 200,000 " 499,999 500,000 " 499,999 1,000,000 " 4,999,999 1,000,000 and over Head offices	94 117 101 125 194 134 201 60	154 244 507 658 1,205 3,531 4,264 15,169 26,588 1,949	321, 375 624, 101 1, 550, 641 2, 163, 731 4, 079, 695 14, 404, 121 17, 316, 476 67, 344, 699 132, 447, 456 12, 978, 824	21,077 37,008 86,777 168,663 269,891 1,126,956 1,423,002 9,160,331 42,600,256	219, 832 529, 496 1, 795, 797 3, 243, 642 7, 704, 761 29, 378, 558 43, 600, 224 196, 695, 435 299, 675, 289	600, 026 1, 485, 199 4, 221, 872 7, 184, 532 17, 899, 972 63, 184, 360 95, 919, 088 429, 389, 263 753, 582, 236
Totals		54, 269	253, 231, 119	54, 893, 961	582, 843, 034	1,373,466,548
Miscellaneous manufacturing industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 200,000 " 499,999 500,000 " 499,999 5,000,000 and over— Head offices¹	523 393 321 264 246 128	1,293 2,003 2,831 4,036 8,015 7,567 14,326	1,700,222 4,284,179 6,643,897 9,483,491 13,681,235 26,513,294 25,770,144 53,727,313 29,282,994 1,132,994	168,035 230,436 385,370 577,455 975,620 911,736 1,698,780 769,008	765, 196 2, 300, 474 4, 171, 117 8, 017, 672 14, 317, 282 34, 132, 917 40, 564, 222 85, 578, 839 47, 749, 677	2,981,270 8,488,719 14,012,631 22,709,198 37,334,067 77,906,801 88,792,315 187,203,087 99,507,422
Totals		47,083	172, 219, 763	5, 796, 706	237, 597, 396	538, 935, 510

¹ Under this heading are included only those head offices which are not located at the plant.

Size as Measured by Number of Employees. - In 1929. establishments employing 501 hands or over accounted for 27.3 p.c. of the number of employees engaged in manufacturing. The tendency then in evidence of increasing concentration into larger units was checked by the depression, the percentage dropping to 20.5 in 1933, (central electric stations included), but rising again to 25.6 in 1939. The same holds true for establishments employing 101 hands or over. In 1929 they employed 61.9 p.c., in 1933, 55.7 p.c. and in 1939, 61.5 p.c.

The effect of the War on the concentration of industries into large units is illustrated by the increase in the number of establishments employing 500 hands or over. In 1939 such establishments numbered 172 and employed 25.6 p.c. of the total number of employees engaged in manufacturing. By 1944 the number had increased to 383 and the percentage of total employees to 47.0. In a further subdivision of this group in 1944 it was found that 226 establishments employed between 500 and 999 persons, 56 between 1,000 and 1,499, and 101 employed over 1,500. Altogether there were 12 plants employing over 7,000 persons, the largest having an employment of a little over 13,000 with the next three largest employing between 9,000 and 10,000. Three other plants employed between 8,000 and 9,000 persons, while the lowest five plants in this group employed between 7,000 and 8,000 workers.

With the resumption of peace-time production the larger establishments declined in size, so that by 1960 only 55 establishments employed over 1,500 employees, as compared with 101 in 1944. In 1960 there were only seven establishments with 5,000 or more persons. Only three reported more than 10,000 employees, one reported between 8,000 and 9,000, one between 6,000 and 7,000 and the remaining two between 5,000 and 6.000.

Employees	Establishments
1,500 to 2,999	38
3,000 to 3,999	5
4,000 to 4,999	5
5,000 to 5,999	2
6,000 and over	5
Total	55

TABLE 57. Manufacturing Establishments, classified by Number of Employees per Establishment, and by Provinces, 1960

Province	Up to 499	500 to 799	800 to 999	1,000 to 1,499	1,500 or over	Total
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories	633 184 1,272 894 11,833 13,226 1,583 887 1,837 3,969			1 1 2 22 25 25 2 - - 4	1 1 19 30 1 - - 3	635 184 1,278 901 11,961 13,387 1,592 887 1,848 3,995
Canada	36, 332	182	56	57	55	36, 682

TABLE 58. Manufacturing Establishments classified by Number of Employees per Establishment, 1929, 1939, 1944 and 1960

		1929¹		1939²		
Group	Estab- lishments	Employees	Average per establishment	Estab- lishments	Employees	Average per establishment
			nun	ber		
Under 5 employees	12, 273 6, 160 2, 531 1, 262 745 444 182	30,446 62,310 81,846 90,238 103,944 136,397 189,253	3.5 10.1 32.3 71.5 139.5 307.2 1,040.0	13,002 6,985 2,330 1,158 695 458 172 24,800	28,020 68,151 75,324 81,646 97,063 139,687 168,168	2.2 9.8 32.3 70.5 139.7 305.0 977.7
		1944		1960°		
Under 5 employees	13,208 7,111 4,615 1,622 900 644	29, 958 58, 404 124, 408 113, 869 126, 192 196, 707 573, 344	2.3 8.2 27.0 70.2 140.2 305.4 - 1.497.0	14, 469 9, 866 6, 698 2, 319 1, 266 785 238 57 55 929	32, 235 81, 890 180, 256 161, 365 176, 163 238, 109 165, 129 70, 922 171, 670 16, 890	2.2 8.3 26.9 69.6 139.1 303.3 693.8 1,244.2 3,121.3
Totals and averages	28, 483	1, 222, 882	42. 9	36, 682	1, 294, 629	35.3

 ¹ Includes central electric stations; dyeing, cleaning and laundry establishments.
 ² Exclusives of Yukon and the Northwest Territories.

Includes Newfoundland. 4 Under this heading are included only those head offices which are not located at the plant.

TABLE 59. Principal Statistics of Manufacturing Industries, by Industrial Groups, classified by Number of Employees per Establishment, 1960

		Establishm				
Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	iber		dollars		
anada:			1			
Under 5 employees:	14, 469	32, 235	76, 492, 351	7, 399, 767	217, 146, 346	369, 401, 05
5 to 14 employees	9,866	81,890	249, 922, 575	21, 251, 300	616,707,324	1, 105, 912, 51
15 ** 49 **	6, 698	180, 256	608,005,102	43,688,248	1, 422, 176, 477	2, 624, 828, 18
50 " 99 "	2, 319	161, 365	567, 419, 414	42, 764, 770	1,438,653,211	2,638,357,21
100 ** 199 **	1, 266	176, 163	658, 112, 029	67, 843, 461	1,675,876,620	3, 147, 643, 03
200 ** 499 **	785	238, 109	977, 138, 869	109, 979, 118	2, 504, 352, 081	4,697,740,45
500 '4 999 '4	238	165, 129	747, 234, 962	113,877,380	1,848,842,210	3,558,260,02
1,000 1,499 "	57	70,922	338, 398, 444	58, 336, 709	991, 625, 172	1,705,390,14
1,500 and over	55	171,670	873,954,817	95, 962, 421	1,988,476,521	3,897,969,4
Not classifiable ¹	929	_	315,549	44, 133	1, 214, 858	1,955,0
Head offices ²		16,890	110, 173, 281	_	_	-
Totals	36, 682	1, 294, 629	5, 207, 167, 393	561, 147, 307	12, 705, 070, 820	23, 747, 457, 08
ood and beverage industries:						
Under 5 employees	3,686	8,968	19, 249, 406	3,639,829	118,025,192	159, 952, 9
5 to 14 employees	2,744	21,989	59, 398, 195	9,652,656	291, 794, 858	426,813,2
15 " 49 "	1, 251	32, 910	101, 397, 697	13, 277, 035	476, 351, 352	716, 120, 7
50 " 99 "	400	27, 474	93, 875, 335	11,588,255	448, 372, 819	697, 953, 1
100 " 199 "	228	31, 259	110,535,710	10,629,662	504, 719, 131	816, 758, 8
200 " 499 "	137	40,034	158, 236, 857	12, 120, 776	641, 643, 632	1,049,947,2
500 ** 999 **	34	23, 221	95, 354, 956	6,830,918	356, 442, 854	613, 871, 2
1,000 and over	8	11, 246	53, 915, 857	3,051,687	280,850,493	398, 876, 2
Head offices ²	_	1,510	9,019,801	-	_	
Totals	8, 488	198, 611	700, 983, 814	70, 790, 818	3, 118, 200, 331	4, 880, 293, 6
Cobacco products industries:						
Under 5 employees	4	7	7,656	496	5,710	15, 5
5 to 14 employees	6	56	118,854	23, 326	839,593	1, 145, 4
15 " 49 "	6	136	413, 586	12, 457	1, 564, 044	2, 800, 4
50 ** 99 **	5	397	1,078,829	65, 228	8, 482, 371	10, 631, 8
100 " 199 "	5	775	2, 627, 929	211, 756	54, 879, 138	63, 021, 3
200 ** 499 **	9	2,770	9,690,471	312, 573	65, 391, 579	96, 204, 1
500 and over	5	5,583	24, 400, 093	349, 431	85, 191, 795	160, 594, 7
Head offices ²	_	7	17, 065	_	_	
Totals	40	9, 731	38, 354, 483	975, 267	216, 354, 230	334, 413, 6
Rubber industries:						
Under 5 employees	18	40	125,382	3, 473	238,692	477, 1
5 to 14 employees	11	104	349, 200	27, 286	1, 332, 404	2, 304, 9
15 '' 49 ''	21	616	2, 317, 938	151, 612	3, 895, 207	8,350,7
50 '' 99 ''	10	724	2, 307, 348	199, 271	3,613,285	8,937,6
100 ** 199 **	9	1, 270	4, 537, 450	390, 704	9, 411, 086	20,714,6
200 ** 499 **	8	2,792	10, 498, 428	758, 202	15, 529, 817	36,738,0
500 14 999 44	10	6,963	28,940,324	1, 516, 199	43, 404, 534	94, 172, 1
1,000 and over	5			2, 175, 092	75, 235, 273	151, 357, 7
Totals	92			5, 221, 839	152, 660, 298	323, 053,
Leather industries:						
down.o. mudow.too.	143	311	735, 508	43,732	1, 565, 668	2,996,0
Under 5 employees		1		96, 134	4,520,452	9, 439,
Under 5 employees	122		1	343, 580	18,654,249	37, 890,
5 to 14 employees	122	1	12, 093, 763			
5 to 14 employees	157	4, 494		428,680	25, 954, 303	52, 816,
5 to 14 employees	157 91	4, 494 6, 476	16, 579, 043			1
5 to 14 employees	157 91 64	4,494 6,476 8,800	16, 579, 043 24, 933, 423	428,680	25, 954, 303	80,686,
5 to 14 employees	157 91	4, 494 6, 476 8, 800 7, 319	16, 579, 043 24, 933, 423 21, 849, 731	428,680 599,433	25, 954, 303 39, 382, 389	52, 816, 8 80, 686, 4 71, 121, 8 13, 163, 3

See footnotes at end of table.

TABLE 59. Principal Statistics of Manufacturing Industries, by Industrial Groups, classified by Number of Employees

per Establishment. 1960 — Continued

	per Establi	shment, 196	0 - Continued			
Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	ber		doll	ars	
Textile industries:						
Under 5 employees	214	5 23	1, 331, 596	63, 335	4, 144, 230	6,797,916
5 to 14 employees	268	2, 257	6,316,455	320,971	10,899,631	22, 024, 858
15 49 4	240	6,489	19, 325, 400	1,125,309	51, 113, 364	87,786,065
50 '' 99 ''	73	5,093	16,201,283	923, 396	42, 769, 453	73, 552, 081
200 '' 499 ''	54 52	7,460	24.084.547	1, 732, 757	63, 731, 765	109, 419, 354
500 '' 999 ''	14	15, 171 9, 279	48,899,533	3,504,900	100, 761, 820	189, 024, 525
1,000 '' 1,499 ''	5	5, 881	21, 388, 836	2,435,954 1,740,619	61, 153, 653 56, 190, 776	117, 461, 885
1,500 and over	4	7,502	26, 261, 715	3, 095, 159	39, 797, 090	88, 821, 127
Head offices ²	_	2, 101	12, 176, 551	5, 055, 155	35, 151, 050	00,021,121
Totals	924	61,756	206, 500, 220	14, 942, 400	430, 561, 782	810, 522, 933
Knitting mills:						
Under 5 employees	40	105	223.654	14, 794	551, 123	1,014,729
5 to 14 employees	76	718	1, 895, 505	62, 863	5,729,972	9, 143, 302
15 '' 49 ''	124	3,394	8, 865, 855	278, 745	19, 197, 294	34,817,844
50 " 99 "	62	4,091	10, 600, 402	352,025	29, 125, 564	50,041,532
100 '' 199 ''	40	5.769	15, 017, 192	474, 226	24,579,336	50,670,268
200 and over	20	6,350	16,077,935	569,015	24, 902, 277	52, 472, 319
Head offices ²	_	338	1,370,383		_	-
Totals	362	20, 765	54,050,926	1, 751, 668	104, 085, 566	198, 159, 994
Clothing industries:						
Under 5 employees	475	1,169	3,480,566	105,243	12,970,650	20, 335, 062
5 to 14 employees	593	5, 203	14, 964, 330	308,806	40, 127, 718	67, 191, 758
15 '' 49 ''	824	23, 194	60,485,041	830, 100	102, 313, 409	196,812,005
50 " 99 "	325	22, 711	58, 815, 976	704, 354	103,524,739	201, 479, 063
100 '' 199 ''	126	17, 355	42, 242, 778	565, 175	72,711,566	141,756,236
200 '' 499 ''	40	11, 112	29,506,108	356,273	46,899,642	95, 414, 753
500 and over	8	5,872	16,262,378	162,732	24, 184, 474	47, 479, 612
Head offices ²	_	259	1,456,704	_	_	-
Totals	2,391	86,875	227, 213, 881	3, 032, 683	402, 732, 198	770, 468, 489
Wood industries:						
Under 5 employees	3, 836	7,658	11, 734, 652	1, 252, 495	30, 173, 918	53, 392, 259
5 to 14 employees	1.576	12,927	32,812,787	3,083,524	79, 301, 309	139, 155, 409
15 " 49 "	826	21, 338	67,613,928	5,555,609	156,512,949	273, 911, 750
50 '' 99 ''	212	14,403	50, 452, 915	3, 248, 895	113, 861, 127	199, 696, 191
100 " 199 "	69	9,762	36, 158, 981	2,019,018	68,882,975	132,559,732
200 '' 499 ''	32	9,746	40,967,916	1,250,577	71,059,361	136, 243, 116
500 and over	10	8,450	37, 374, 667	1,715,433	77, 124, 716	131, 128, 041
Not classifiable	929	-	315,549	44, 133	1,214,858	1,955.029
Head offices ²	_	978	6,090,022		-	_
Totals	7, 490	85.262	283,521,417	18, 169, 684	598.131.213	1, 068, 041, 527
Furniture and fixture industries:						
Under 5 employees	1, 122	2, 278	5,910,924	305,156	6,822,291	16,022,302
5 to 14 employees	484	3,921	11, 767, 698	427,811	14,489,349	32,570,501
15 " 49 "	315	8,521	28,846,024	1,019,499	47,833,832	95, 967, 916
50 " 99 "	115	7, 873	26,643,060	871, 875	43,639,104	87, 419, 394
100 " 199 "	41	5,355	18, 251, 776	570,622	26,882,188	56, 125, 255
200 " 499 "	22	6,258	21, 240, 905	606, 242	26,601,997	59,875,456
Totals	2,099	34,206	112,660,387	3,801,205	166, 268, 761	347, 980, 824

See footnotes at end of table.

TABLE 59. Principal Statistics of Manufacturing Industries, by Industrial Groups, classified by Number of Employees per Establishment, 1960 — Continued

			- Continued			
Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		doll		
			1	1		
Paper and allied industries:	53	144	363, 444	16,989	1, 252, 489	2,035,889
Under 5 employees	87	767	2, 481, 796	149,715	7, 291, 247	12, 809, 079
5 to 14 employees	172	5, 090	17, 100, 966	1, 258, 837	43, 613, 032	80, 491, 361
50 ** 99 , **	74	5,442	19, 822, 960	2,481,029	61, 124, 882	107,617,185
100 " 199 "	79	10,944	44,611,332	5, 213, 519	116, 494, 774	210,896,929
200 ** 499 **	65	21,590	96, 568, 103	23, 490, 586	248, 382, 250	489, 450, 952
500 ** 999 **	34	24, 211	126, 175, 105	42,594,685	280,711,902	657, 371, 503
1,000 " 1,499 "	12	15, 369	81,044,659	27, 272, 080	146,711,914	366,086,299
1,500 and over	5	8,321	43, 703, 664	13,527,858	74, 290, 149	201, 348, 000
Head offices ²	_	3,555	26, 752, 236	-		_
Totals	581	95,433	458, 624, 265	116,005,298	979, 872, 639	2, 128, 107, 197
District and Wind industries						
Printing publishing and allied industries: Under 5 employees	1,540	3, 389	10, 177, 159	391, 551	11,882,320	30,904,360
5 to 14 employees	1, 100	9,051	32, 491, 475	765, 116	27,606,898	81,710,067
15 " 49 "	559	14, 487	58, 776, 284	1, 256, 189	49,753,211	151, 540, 247
50 " 99 "	136	9,835	40,347,526	822, 501	32, 297, 186	104, 023, 476
100 ** 199 **	75	10, 180	46, 269, 127	831,500	38, 331, 813	126, 276, 510
200 " 499 "	37	11,841	55,094,671	1,059,175	43,030,927	148, 375, 274
500 ** 999 **	9	6,272	30, 306, 656	421,965	33,503,098	97, 218, 790
1,000 and over	6	8, 557	48, 864, 314	795,863	38, 440, 633	125, 882, 005
Head offices ²	_	82	460,809	_	_	_
Totals	3,462	73, 694	322,788,021	6,343,860	274, 846, 086	865, 930, 729
Primary metal industries:						
Primary metal industries: Under 5 employees	75	201	537,980	63,003	880,010	1, 782, 729
	75 92	201 821	537, 980 2, 937, 657	63, 003 251, 905	880,010 4,631,327	1, 782, 729 9, 599, 063
Under 5 employees		821 2,760	2, 937, 657 10, 874, 602	251, 905 992, 254	4, 631, 327 35, 775, 956	9,599,063 55,694,037
Under 5 employees	92 97 52	821 2,760 3,662	2, 937, 657 10, 874, 602 15, 823, 237	251, 905 992, 254 1, 386, 301	4,631,327 35,775,956 80,033,851	9,599,063 55,694,037 111,580,284
Under 5 employees	92 97 52 36	821 2,760 3,662 4,903	2,937,657 10,874,602 15,823,237 21,740,654	251, 905 992, 254 1, 386, 301 3, 754, 832	4,631,327 35,775,956 80,033,851 80,118,234	9, 599, 063 55, 694, 037 111, 580, 284 121, 997, 966
Under 5 employees	92 97 52 36 34	821 2,760 3,662 4,903 10,813	2,937,657 10,874,602 15,823,237 21,740,654 50,653,136	251, 905 992, 254 1, 386, 301 3, 754, 832 11, 531, 961	4,631,327 35,775,956 80,033,851 80,118,234 194,670,816	9,599,063 55,694,037 111,580,284 121,997,966 297,214,923
Under 5 employees	92 97 52 36 34 14	821 2,760 3,662 4,903 10,813 9,971	2,937,657 10,874,602 15,823,237 21,740,654 50,653,136 47,844,335	251, 905 992, 254 1, 386, 301 3, 754, 832 11, 531, 961 17, 696, 436	4,631,327 35,775,956 80,033,851 80,118,234 194,670,816 221,157,892	9,599,063 55,694,037 111,580,284 121,997,966 297,214,923 364,369,881
Under 5 employees	92 97 52 36 34 14 5	821 2,760 3,662 4,903 10,813 9,971 5,691	2,937,657 10,874,602 15,823,237 21,740,654 50,653,136 47,844,335 29,247,129	251, 905 992, 254 1, 386, 301 3, 754, 832 11, 531, 961 17, 696, 436 10, 192, 521	4,631,327 35,775,956 80,033,851 80,118,234 194,670,816 221,157,892 288,327,616	9,599,063 55,694,037 111,580,284 121,997,966 297,214,923 364,369,881 348,006,096
Under 5 employees	92 97 52 36 34 14	821 2,760 3,662 4,903 10,813 9,971 5,691 50,377	2, 937, 657 10, 874, 602 15, 823, 237 21, 740, 654 50, 653, 136 47, 844, 335 29, 247, 129 269, 764, 078	251, 905 992, 254 1, 386, 301 3, 754, 832 11, 531, 961 17, 696, 436	4,631,327 35,775,956 80,033,851 80,118,234 194,670,816 221,157,892	9,599,063 55,694,037 111,580,284 121,997,966 297,214,923 364,369,881 348,006,096
Under 5 employees	92 97 52 36 34 14 5	821 2,760 3,662 4,903 10,813 9,971 5,691	2,937,657 10,874,602 15,823,237 21,740,654 50,653,136 47,844,335 29,247,129	251, 905 992, 254 1, 386, 301 3, 754, 832 11, 531, 961 17, 696, 436 10, 192, 521	4,631,327 35,775,956 80,033,851 80,118,234 194,670,816 221,157,892 288,327,616 692,669,728	9,599, 55,694,6 111,580, 121,997, 297,214, 364,369, 348,006,6
Under 5 employees	92 97 52 36 34 14 5	821 2,760 3,662 4,903 10,813 9,971 5,691 50,377	2, 937, 657 10, 874, 602 15, 823, 237 21, 740, 654 50, 653, 136 47, 844, 335 29, 247, 129 269, 764, 078	251, 905 992, 254 1, 386, 301 3, 754, 832 11, 531, 961 17, 696, 436 10, 192, 521	4,631,327 35,775,956 80,033,851 80,118,234 194,670,816 221,157,892 288,327,616 692,669,728	9,599,06 55,694,03 111,580,28 121,997,96 297,214,92 364,369,88 348,006,09 1,432,275,05
Under 5 employees	92 97 52 36 34 14 5 13	821 2,760 3,662 4,903 10,813 9,971 5,691 50,377 826 90,025	2, 937, 657 10, 874, 602 15, 823, 237 21, 740, 654 50, 653, 136 47, 844, 335 29, 247, 129 269, 764, 078 5, 159, 728 454, 582, 536	251, 905 992, 254 1, 386, 301 3, 754, 832 11, 531, 961 17, 696, 436 10, 192, 521 55, 616, 549 — 101, 485, 762	4,631,327 35,775,956 80,033,851 80,118,234 194,670,816 221,157,892 288,327,616 692,669,728 — 1,598,265,430	9,599,06: 55,694,03' 111,580,28: 121,997,96 297,214,92 364,369,88 348,006,09: 1,432,275,05
Under 5 employees	92 97 52 36 34 14 5 13 —	821 2,760 3,662 4,903 10,813 9,971 5,691 50,377 826 90,025	2, 937, 657 10, 874, 602 15, 823, 237 21, 740, 654 50, 653, 136 47, 844, 335 29, 247, 129 269, 764, 078 5, 159, 728 454, 582, 536	251, 905 992, 254 1, 386, 301 3, 754, 832 11, 531, 961 17, 696, 436 10, 192, 521 55, 616, 549 — 101, 485, 762	4,631,327 35,775,956 80,033,851 80,118,234 194,670,816 221,157,892 288,327,616 692,669,728 — 1,598,265,430	9,599,06: 55,694,03' 111,580,28: 121,997,96! 297,214,92: 364,369,88 348,006,09! 1,432,275,05: 2,742,520,03
Under 5 employees	92 97 52 36 34 14 5 13 — 418	821 2,760 3,662 4,903 10,813 9,971 5,691 50,377 826 90,025	2, 937, 657 10, 874, 602 15, 823, 237 21, 740, 654 50, 653, 136 47, 844, 335 29, 247, 129 269, 764, 078 5, 159, 728 454, 582, 536	251, 905 992, 254 1, 386, 301 3, 754, 832 11, 531, 961 17, 696, 436 10, 192, 521 55, 616, 549 — 101, 485, 762	4,631,327 35,775,956 80,033,851 80,118,234 194,670,816 221,157,892 288,327,616 692,669,728 — 1,598,265,430	9,599,063 55,694,037 111,580,284 121,997,964 297,214,923 364,369,883 348,006,094 1,432,275,053
Under 5 employees	92 97 52 36 34 14 5 13 —	821 2,760 3,662 4,903 10,813 9,971 5,691 50,377 826 90,025	2, 937, 657 10, 874, 602 15, 823, 237 21, 740, 654 50, 653, 136 47, 844, 335 29, 247, 129 269, 764, 078 5, 159, 728 454, 582, 536	251, 905 992, 254 1, 386, 301 3, 754, 832 11, 531, 961 17, 696, 436 10, 192, 521 55, 616, 549 — 101, 485, 762	4,631,327 35,775,956 80,033,851 80,118,234 194,670,816 221,157,892 288,327,616 692,669,728 — 1,598,265,430 7,718,032 36,370,212	9,599,063 55,694,03' 111,580,284 121,997,964 297,214,92: 364,369,88: 348,006,094 1,432,275,05: 2,742,520,03:
Under 5 employees	92 97 52 36 34 14 5 13 - 418	821 2,760 3,662 4,903 10,813 9,971 5,691 50,377 826 90,025	2, 937, 657 10, 874, 602 15, 823, 237 21, 740, 654 50, 653, 136 47, 844, 335 29, 247, 129 269, 764, 078 5, 159, 728 454, 582, 536	251, 905 992, 254 1, 386, 301 3, 754, 832 11, 531, 961 17, 696, 436 10, 192, 521 55, 616, 549 — 101, 485, 762 448, 132 1, 538, 626 3, 594, 425	4,631,327 35,775,956 80,033,851 80,118,234 194,670,816 221,157,892 288,327,616 692,669,728 — 1,598,265,430 7,718,032 36,370,212 117,456,853	9,599,063 55,694,037 111,580,284 121,997,966 297,214,923 364,369,881 348,006,096 1,432,275,053 — 2,742,520,033
Under 5 employees	92 97 52 36 34 14 5 13 — 418	821 2,760 3,662 4,903 10,813 9,971 5,691 50,377 826 90,025	2, 937, 657 10, 874, 602 15, 823, 237 21, 740, 653, 136 47, 844, 335 29, 247, 129 269, 764, 078 5, 159, 728 454, 582, 536	251, 905 992, 254 1, 386, 301 3, 754, 832 11, 531, 961 17, 696, 436 10, 192, 521 55, 616, 549 — 101, 485, 762 448, 132 1, 538, 626 3, 594, 425 2, 562, 025	4,631,327 35,775,956 80,033,851 80,118,234 194,670,816 221,157,892 288,327,616 692,669,728 — 1,598,265,430 7,718,032 36,370,212 117,456,853 101,998,690	9,599,063 55,694,037 111,580,284 121,997,966 297,214,923 364,369,881 348,006,096 1,432,275,053 — 2,742,520,031
Under 5 employees	92 97 52 36 34 14 5 13 - 418 848 938 711 198 102	821 2,760 3,662 4,903 10,813 9,971 5,691 50,377 826 90,025	2, 937, 657 10, 874, 602 15, 823, 237 21, 740, 654 50, 653, 136 47, 844, 335 29, 247, 129 269, 764, 078 5, 159, 728 454, 582, 536 6, 248, 751 29, 471, 794 76, 257, 520 57, 473, 152 61, 985, 529	251, 905 992, 254 1, 386, 301 3, 754, 832 11, 531, 961 17, 696, 436 10, 192, 521 55, 616, 549 — 101, 485, 762 448, 132 1, 538, 626 3, 594, 425 2, 562, 025 3, 277, 466	4,631,327 35,775,956 80,033,851 80,118,234 194,670,816 221,157,892 288,327,616 692,669,728 — 1,598,265,430 7,718,032 36,370,212 117,466,853 101,998,690 105,682,787	9,599,063 55,694,037 111,580,284 121,997,962 297,214,923 364,369,881 348,006,096 1,432,275,052 2,742,520,031 19,668,347 87,835,162 254,656,688 208,417,064 223,297,097 398,363,996
Under 5 employees	92 97 52 36 34 14 5 13 - 418 848 938 711 198 102	821 2,760 3,662 4,903 10,813 9,971 5,691 50,377 826 90,025 2,069 8,070 18,961 13,873 14,265 23,965	2, 937, 657 10, 874, 602 15, 823, 237 21, 740, 654 50, 653, 136 47, 844, 335 29, 247, 129 269, 764, 078 5, 159, 728 454, 582, 536 6, 248, 751 29, 471, 794 76, 257, 520 57, 473, 152 61, 985, 529 110, 047, 553	251, 905 992, 254 1, 386, 301 3, 754, 832 11, 531, 961 17, 696, 436 10, 192, 521 55, 616, 549 — 101, 485, 762 448, 132 1, 538, 626 3, 594, 425 2, 562, 025 3, 277, 466 4, 957, 298	4,631,327 35,775,956 80,033,851 80,118,234 194,670,816 221,157,892 288,327,616 692,669,728 — 1,598,265,430 7,718,032 36,370,212 117,456,853 101,998,690 105,682,787 185,842,284	

See footnotes at end of table.

TABLE 59. Principal Statistics of Manufacturing Industries, by Industrial Groups, classified by Number of Employees per Establishment, 1960 - Continued

pe	er Establish	ment, 1960	- Continued			
Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	nber		dollars		-
Machinery industries (except electrical machinery):		1				
Under 5 employees	81	184	613,377	45,736	1,627,576	2,918,833
5 to 14 employees	133	1, 236	4,512,698	237, 389	7,646,385	16,715,368
15 '' 49 ''	156	4,362	18, 282, 209	816,896	30,341,842	65,363,678
50 '' 99 ''	76	5,350	23,548,361	825,897	39,841,035	81,046,030
100 " 199 "	44	6,361	27,762,325	895, 253	46,943,450	100, 257, 078
200 100	32	9,634	43,011,863	1, 187, 089	51, 243, 226	132, 359, 587
	5	3,628	17,580,946	945,857	27, 179, 379	62,674,807
1,000 and over	6	12,656	63,442,307	1,817,473	94, 248, 992	181, 123, 586
Head offices ²	533	43, 495	673, 596 199, 427, 682	6, 771, 590	299, 071, 885	642,458,967
Transportation equipment industries:		25, 250	200, 241, 004	0, 112, 550	200,011,000	042,430, 301
Under 5 employees	228	554	1,424,044	76,601	1,450,824	3,823,810
5 to 14 employees	136	1, 133	3,887,819	190,907	6,496,589	13, 481, 451
15 " 49 "	132	3,856	14,801,896	631,804	20, 414, 509	44, 499, 999
50 " 99 "	63	4,478	18,893,815	768, 201	26, 475, 546	59,769,500
100 '' 199 ''	51	7,504	31, 370, 224	1,723,673	51, 105, 682	109,741,329
200 '' 499 ''	38	12, 287	54, 839, 180	2,638,266	80, 522, 591	169, 491, 503
500 " 999 "	19	13,536	63,053,215	2,594,255	125,593,984	209, 269, 791
1,000 " 1,499 "	4	4,698	18, 552, 040	617,069	10,647,783	34, 355, 129
1,500 and over	16	60,900	307,736,136	11,058,403	773, 377, 215	1, 356, 256, 734
Head offices ²	_	471	3,794,417	_		
Totals	687	109, 417	518, 352, 786	20, 299, 179	1, 096, 084, 723	2,000,689,246
Electrical products industries:						
Under 5 employees	70	188	553,690	20,489	1, 135, 078	2, 455, 226
5 to 14 employees	97	855	3, 168, 075	134, 445	5,693,978	11, 955, 440
15 " 49 "	142	3,961	14,724,257	752,713	35, 834, 440	68,840,352
50 ** 99 **	83	5,839	21, 463, 298	760,092	45,067,201	88, 189, 426
100 " 199 "	54	7,794	29,734,094	1,084,215	53, 813, 299	113, 482, 439
200 " 499 "	66	19,677	83,654,897	2,946,960	161,685,114	325, 375, 111
500 " 999 "	26	17, 299	79, 949, 144	3,555,438	125,837,258	273, 311, 213
1,000 '' 1,499 ''	5	6,270	28,606,528	654, 135	47,977,192	82,704,830
1,500 and over	5	16,337	83,849,536	1,802,180	68,952,056	209,652,196
Head offices ³	-	428	2,884,708	-	_	_
Totals	548	78, 648	348, 588, 227	11, 710, 667	545, 995, 616	1, 175, 966, 233
Non-metallic mineral products industries:						
Under 5 employees	439	1,038	2,386,513	314, 260	3,648,185	8,622,028
5 to 14 employees	439	3,706	11,962,875	2,304,403	20, 150, 756	45,852,876
15 '' 49 ''	282	7,485	28, 378, 404	6,219,458	45,962,015	111, 564, 838
50 " 99 "	80	5,636	23, 123, 131	5,918,641	32, 262, 907	85,719,513
100 " 199 "	59	8,485	38,686,006	14,080,324	51,818,397	171,526,432
200 '' 499 ''	24	7,566	35, 378, 362	14,537,455	46,392,247	144,909,026
500 and over	8 -	6,909 781	29, 138, 896 4, 383, 913	4,328,318	30, 515, 831	79, 266, 867
Totals	1, 331	41,606	173, 438, 100	47, 702, 859	230, 750, 338	647, 461, 580
Petroleum and coal products industries						
Petroleum and coal products industries:	21	58	101 227	60 175	757 500	1 512 400
Under 5 employees	17	139	191, 227 565, 707	68, 175 134, 299	757, 500	1,513,400
	13	364	1,686,284	668, 319	2,717,517 12,307,872	4,835,603
E 11	12	808	4, 266, 373	2, 420, 171	44,867,773	20, 283, 153 65, 151, 875
	15	2, 266	12, 854, 483	8,039,156	136, 107, 005	192, 471, 337
200 " 499 "	13	3,814	22, 197, 327	19,034,601	341,500,091	481,440,064
500 and over	5	4, 126	24,611,990	19,706,982	335, 375, 852	432, 272, 326
Head offices ²	- 1	2,938	19,073,520	-	_	-
Totals	96	14, 513	85, 446, 911	50, 071, 703	873, 633, 610	1, 197, 967, 758

See footnotes at end of table.

TABLE 59. Principal Statistics of Manufacturing Industries, by Industrial Groups, classified by Number of Employees per Establishment, 1960 - Concluded

Industrial group, by size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber		doll	ars	
Chemical and chemical products industries: Under 5 employees	337	769	2,405,866	178,368	5,534,591	13,891,728
5 to 14 employees	314	2,643	10,225,313	803,065	29,177,911	60,861,473
15 ** 49 **	264	7, 121	29, 175, 419	3, 436, 449	98,249,840	196, 382, 844
50 44 99 44	121	8, 238	35, 432, 776	5,371,272	108,937,998	243, 290, 979
100 '' 199 ''	58	7,841	36,657,302	10,891,718	83,817,495	208, 785, 298
200 " 499 "	30	9, 106	43, 305, 936	7,756,316	87,520,067	244,759,453
500 and over	19	16,602	83,049,683	26, 456, 773	169,605,132	405, 494, 773
Head offices ²	_	1,949	12,978,824	_	_	_
Totals	1,143	54, 269	253, 231, 119	54,893,961	582, 843, 034	1, 373, 466, 548
Miscellaneous manufacturing industries:						
Under 5 employees	1,239	2,582	8,790,956	347,910	6, 762, 267	20,780,723
5 to 14 employees	. 633	5,173	17,810,046	738,053	19,889,218	50, 467, 621
15 " 49 "	4 06	10,717	36,588,029	1,466,958	55,031,207	121,053,351
50 " 99 "	131	8,962	30,670,594	1,066,661	46, 403, 377	101,024,191
100 " 199 "	57	7,815	28,051,167	858, 452	46, 464, 110	97, 198, 522
200 " 499 "	23	7,419	28, 218, 272	833,458	38, 161,1 15	89,018,178
500 and over	4	4, 178	20,957,705	485, 214	24, 886, 102	59, 392, 924
Head offices ²	_	237	1, 132, 994			
Totals	2, 493	47,083	172,219,763	5, 796, 706	237, 597, 396	538, 935, 510

Table 60 summarizes the degree of concentration in some of the leading manufacturing industries of Canada. Concentration is extremely marked in the case of motor vehicles, smelting and refining, pulp and paper mills, iron and steel mills, aircraft and parts; whereas in the case of women's clothing factories, printing and bookbinding, sawmills, miscellaneous foods, pasteurizing plants, bakeries, men's clothing factories, fruit and vegetable canners and preservers the degree of concentration is low. This concentration is analysed in detail for each of the twenty-five leading industries in the table following:

TABLE 60. Percentage Importance of Establishments, each Employing 200 or more Persons in the Twenty-five Leading Industries, 1960

No.	Industry	Number of such establishments	Percentage of total number in the industry	Percentage of total shipments in the industry
1 2 3 4 5 6 6 7 8 8 9 9 10 11 12 13 14 15 16 17 18 19 20 21 21 22 23 24 22 23 24 24 24 25 26 26 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28	Pulp and paper mills Smelting and refining Petroleum refining Slaughtering and meat packing plants Motor vehicle manufacturers Iron and steel mills Sawmills (including shingle mills) Manufacturers of industrial chemicals Pasteurizing plants Miscellaneous machinery and equipment manufacturers Miscellaneous food manufacturers Bakeries Printing and publishing Metal stamping, pressing and coating industry Fruit and vegetable canners and preservers Aircraft and parts manufacturers Butter and cheese plants Motor vehicle parts and accessories Feed manufacturers Women's clothing factories Men's clothing factories Men's clothing factories Men's clothing factories Breweries Printing and bookbinding Manufacturers of electrical industrial equipment Communications equipment manufacturers	81 20 18 35 8 18 22 17 22 32 32 2 8 28 29 20 12 20 - 15 - 7 30 12 11 23	63, 3 87, 0 40, 9 16, 7 44, 4 37, 5 0, 4 13, 0 2, 8 7, 8 2, 6 1, 1 3, 9 3, 3 24, 1 12, 6 1, 1 5, 9 22, 2 0, 6 23, 0 13, 6	95. 0 97. 4 79. 5 74. 9 98. 5 93. 8 28. 1 65. 3 32. 5 47. 7 30. 6 33. 0 46. 1 40. 3 91. 2 68. 5 6. 4 35. 9 62. 2 25. 5 78. 7

¹ Consists of industry "Publishing (only) of Periodicals."
² Under this heading are included only those head offices that are not located at the plant.

Subsection 7. Fuel and Power Consumption

Cost of Fuel and Electricity.— Fuel is used quite generally throughout the industrial field for the generation of power by means of steam and internal combustion engines. It is also used for the heating of plants, and for providing the heat necessary to some manufacturing processes. The most important industries where heat is applied to the materials to facilitate or accomplish the desired transformation are foundries and machine shops, brick, tile, lime, and cement-making, petroleum refining, the glass industry, distilleries, food preparation, rubber goods, etc. Fuel used for such heating purposes, as well as for power, is included in the figures of Table 61. In addition to the electricity used for ordinary power purposes, the figures include also the electricity used for heating boilers in the pulp and paper industry. Consumption of surplus energy in electric boilers increased rapidly during the years preceding the Second World War.

The figures of the table do not include coke charged to iron-blast furnaces or foundry cupolas. Neither do they include fuels that constitute the raw materials to be transformed, as coal in the coke and gas industries and crude petroleum in the refining industry.

The value of purchased fuel consumed increased 500 p.c. from 1939 to 1959. Part of the increase was due to an increase in the quantity used and part to the rise in the unit cost of fuels of all kinds. The cost of electricity purchased, on the other hand, has increased during the same period by 348 p.c. The groups of industries in which fuel was most extensively used in 1959 were: paper products, products of petroleum and coal, foods and beverages, iron and steel products, nonmetallic mineral products, non-ferrous metal products and chemicals and allied products.

Of the total cost of purchased fuel and electricity for Canada as a whole in 1959, 60 p.c. was for fuel and 40 for electricity. Percentagewise, Nova Scotia with 79.4 p.c. of the Provincial total was the largest user of fuel, while Quebec with 49.3 p.c. was the smallest. Provinces lacking in water power resources naturally have to rely on fuel for power, and for this reason the percentage that fuel is to the total is much higher than in Provinces such as Quebec where there is an abundant supply of water for Power purposes. In the Provinces of Prince Edward Island, Nova Scotia, New Brunswick, Saskatchewan, and Alberta, primary power produced from fuels is an important factor in power utilization.

Power Consumption. — Power consumed by the manufacturing industries, purchased power as well as power generated for own use, totalled 54.6 billion kwh, in 1959, an increase of 181 p.c., as-compared with 1939. Of the total consumed Quebec used 48.9 p.c., Ontario 27.5 p.c., British Columbia 14.9 p.c., New Brunswick 1.8 p.c. and Newfoundland, Alberta and Manitoba 1.7 p.c. each.

The paper products group with 35.8 p.c. of the total was the largest user of electric power in 1959, displacing the nonferrous metal products group which held the premier position in the past. The paper products group is also the largest user of purchased fuel and electricity. The non-ferrous metal products group was the second largest user of electric power in 1959 with 29.4 p.c. of the total, followed by chemicals and allied products with 11.0 p.c., iron and steel products 6.3 p.c., nonmetallic mineral products 4.4 p.c., foods and beverages 3.3 p.c., etc.

Table 61 gives details of purchased fuel and electricity as well as the kwh, consumption by industrial groups and provinces. Tables 62 and 63 give details of power equipment and Tables 64 and 65 details of fuel consumption for selected years from 1926 to 1959.

Power Equipment. — Power equipment installed in manufacturing establishments is a very good barometer of the industrial development of Canada, inasmuch as production is increasingly dependent on power equipment. Increases and decreases in productive capacity, measured in horse-power, are not the result of temporary fluctuations in cost and values in the same manner as capital investments, values of products, etc. Of course, power equipment installed is not a measure of

the actual utilization of power for there is generally an excess over actual requirements, i.e., over power equipment in operation. Producers must have an installed operating margin in excess of normal requirements to provide for booming business conditions or breakdown of part of the plant. In times of depression this margin increases. During short periods of expanded production, the number of horse-power per wage-earner tends to decrease in view of the fact power equipment is not immediately increased, the expanded production being secured through overtime work or an increase in the number of shifts worked.

Of the total increase in power equipment employed in manufacturing industries between 1939 and 1953, 75 p.c. was in electric motors operated by power purchased from central electric stations. However, some sections of Canada are not well provided with water power and in such sections primary power derived from steam engines or turbines, and internal combustion engines—which include all gasoline engines, gas engines (natural, coal, and producer gas), and compressionignition engines—also has increased rapidly during the period covered. During the period 1939-1953 there was an increase of 31 p.c. in the capacity of hydraulic turbines and water wheels, 56 p.c. in the capacity of steam engines and steam turbines, 115 p.c. in the capacity of electric motors, while internal combustion engines increased more than fivefold. The collection of statistics on power equipment was discontinued in 1949, but was collected again for 1953.

Another survey on power equipment was made for the year 1958. This survey was based on the recommendations of the Statistical Commission of the Economic and Social Council of the United Nations. In accordance with these recommendations the classification of the equipment was as follows:

Type of equipment	Driving generators	Not driving generators
	h.	p.
A. Prime movers:		
1. Steam engines		
2. Steam turbines		
3. Diesel engines		
4. Gasoline, gas and oil engines, other than diesel engines		
5. Hydraulic turbines or water wheels		
Totals		
B. Electric motors (one quarter horse- power and over)		

Electric motors plus prime movers not driving generators is taken as the total available power equipment.

Prior to 1958 the classification of the power equipment was as follows:

A. Primary equipment:

h.p.

Steam engines and turbines Internal combustion engines Hydraulic turbines and water wheels

Total primary equipment

B. Electric motors:

Operated by purchased power Operated by power generated by the reporting establishment

In this case the total of the primary equipment plus electric motors operated by purchased power was taken as the available power equipment.

As far as total available equipment these two systems of classification give fairly comparable results. No historical comparisons, however, can be made for the various types of equipment in use, since in this case the basis of classification is different. For manufacturing as a whole the total power equipment in use as at the end of 1958 totalled 12,046,697 h.p. as compared with 10,397,703 h.p. in 1953. Available equipment per production worker rose from 9.87 to 12.27 during this period.

TABLE 61. Value of Fuel and Electricity Used by the Manufacturing Industries of Canada, 1939 - 59 with Details by Provinces and Industrial Groups, 1960
Note: Includes fuel and electricity used in smelters for metallurgical purposes

Note: Includes fue	el and electricity	used in smelter	s for metallurgio	cal purposes				
	Value of	Value of		Consumption of electric power				
Year, province and group	purchased fuel	purchased electricity	Total	Purchased	Generated for own use	Total		
		dollars			M kwh.			
1939	57,063,131 78,550,913 102,886,816 121,512,643 134,004,345 137,883,770 128,384,255 127,179,620 163,813,503 209,063,839 209,063,839 208,776,571 229,993,079 252,573,952 257,443,536 259,212,493 265,242,482 282,828,016 333,304,628 355,483,917 328,155,960 342,388,614 324,363,803	50, 509, 121 58, 429, 262 71, 754, 501 85, 205, 846 91, 950, 030 87, 699, 383 83, 999, 865 90, 876, 176 90, 876, 176 94, 475, 355 97, 019, 231 106, 940, 541 124, 140, 044 135, 537, 806 152, 576, 328 159, 189, 746 174, 961, 454 190, 636, 078 191, 163, 612 226, 491, 548 236, 783, 504	107,572,252 136,980,175 174,641,317 206,718,489 225,954,375 212,384,120 210,452,725 254,689,679 303,539,194 305,795,802 336,933,620 336,913,3620 3411,788,821 424,432,228 457,789,470 523,940,706 555,311,788 539,319,572 568,880,162 561,147,307	17,072,764 17,954,995 20,289,238 23,650,640 26,399,730 25,570,876 26,728,239 24,907,413 25,067,855 27,482,129 31,243,249 32,418,626 34,226,135 36,362,3162 40,251,8722 41,694,7542 47,915,4262 53,483,9782	2,357,669 2,640,918 2,840,841 3,345,443 3,211,610 2,752,124 2,362,260 2,714,261 3,467,535 4,590,676 5,898,390 6,266,050 6,369,094 6,450,729 6,901,443 6,072,634 2,601,563 6,689,463 6,725,004 7,370,601	19,430,433 20,595,913 23,130,079 26,996,283 29,611,340 28,529,362 26,349,253 27,965,137 30,195,774 29,488,089 30,966,245 33,748,179 37,612,343 38,869,355 41,127,578 42,434,904 48,13,573 46,841,357 48,085,237 51,855,311 54,640,430 60,854,579		
Provinces, 1960 Large establishments: Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Canada	3,659,561 201,395 8,741,196 10,312,530 80,907,169 155,231,309 8,201,638 5,712,425 11,752,727 24,030,522 155,826 308,906,298	2,944,157 138,525 2,890,084 4,381,519 90,701,381 87,250,470 5,106,132 3,464,863 5,852,629 24,198,508 9,128 226,937,396	6,603,718 339,920 11,631,280 14,694,049 171,608,550 242,481,779 13,307,770 9,177,288 17,605,356 48,229,030 164,954 535,843,694	625,123 5,691 407,016 551,570 29,118,156 13,048,031 866,668 524,962 629,962 6,745,098 401 52,512,678	323,320 49,335 482,133 1,985,736 2,082,969 6,135 348 314,186 2,125,310 1,079 7,370,601	948,443 5,691 1,033,703 31,103,892 15,131,000 862,803 525,310 944,148 8,870,408 1,480		
Medium establishments: Newfoundland Prince Edward Island Nova Scotla New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Canada	64,058 45,556 153,526 146,181 2,111,535 2,627,854 127,519 241,730 1,452,849 12,274 7,169,047	46,760 14,374 96,971 71,251 1,620,325 1,670,694 1,58,701 71,546 166,750 589,608 1,033 4,508,013	110,818 59,930 250,497 217,432 3,731,860 4,298,548 344,666 199,065 408,480 2,042,457 13,307 11,677,060	4,200 1,300 8,600 6,300 143,700 148,200 6,400 52,300 800		4,200 1,300 8,600 6,300 143,700 148,200 14,100 6,400 52,300 800 399,900		
Small establishments; Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Canada	280,542 231,605 2,247,187 3,251,859 348,139 227,098 318,335 896,706 8,305	20,605 24,070 188,671 144,866 1,782,196 2,234,658 260,070 115,072 326,067 589,383 4,672	90,970 80,152 469,213 376,471 4,029,383 5,486,517 608,209 342,170 644,402 1,486,089 12,977 13,626,553	2,100 2,400 19,000 14,600 179,100 224,600 26,200 11,500 32,700 59,200 600		2,100 2,400 19,000 14,600 179,100 224,600 26,200 11,500 32,700 59,200 571,400		
Industrial groups, 1960 Large establishments: Food and beverage industries Tobacco products industries Rubber industries Leather industries Textile industries Knitting mills Clothing industries Wood industries	514,905 2,560,143 1,145,057 8,024,340 922,899 1,092,302	583,811 1,277,534	60,847,114 967,487 5,109,772 1,950,540 14,227,875 1,506,710 2,369,336 14,342,895	1,541,144 42,248 286,456 55,340 863,971 38,650 65,368 510,827	9,241 100 92,249 1,042	1,648,462 42,248 295,697 55,440 956,220 39,692 65,368 729,561		

TABLE 61. Value of Fuel and Electricity Used by the Manufacturing Industries of Canada, 1939 - 59 with Details by Provinces and Industrial Groups, 1960 - Concluded

	Value of	Value of		Consur	nption of electric	power
Year, province and group	purchased fuel	purchased electricity	Total	Purchased	Generated for own use	Total
		dollars			M kwh.	
Industrial groups, 1960 - Concluded						
Large establishments - Concluded:						
Furniture and fixture industries	1, 484, 792	1,367,526	2,852,318	74,771	151	74,922
Paper and allied industries	55,862,272 2,296,654	59, 715, 235 2, 534, 427	115,577,507 4,831,081	16,025,195 177,392	5,076,912	21, 102, 107 177, 392
Primary metal industries	46,770,714	54, 259, 531	101,030,245	20,951,154	1,279,672	22, 230, 826
transportation equipment industries)	10, 103, 746	6,874,940	16,978,686	554,728	815	555,543
Machinery industries (except electrical machinery) Transportation equipment industries	3,496,825 11,813,751	2,739,965 7,960,658	6, 236, 790 19, 774, 409	252,110 854,109	85, 801	252,110 939,910
Electrical products industries Non-metallic mineral products industries	5,591,022	5, 743, 528 14, 821, 209	11, 334, 550 46, 509, 111	639,785	14, 062	653,847
Non-metallic mineral products industries Petroleum and coal products industries	31,687,902 42,415,723	14,821,209 7,655,980	46,509,111 50,071,703	2,336,523 1,117,173	1,602 114,579	653,847 2,338,125 1,231,752
Chemical and chemical products industries	29, 653, 355 2, 437, 777	24,821,847	54, 475, 202	5,946,276	364,872	6,311,148
Miscellaneous industries		2, 412, 086	4, 849, 863	179, 458	3, 451	182, 909
Totals	308, 906, 298	226, 937, 396	535,843,694	52, 512, 678	7, 370, 601	59,883,279
Medium establishments: Food and beverage industries	2,692,032	1,243,532	3,935,564	113,200		113,200
Tobacco products industries Rubber industries	_	-		_	-	_
Rubber industries	55,589 116,260	47, 324 134, 421	102, 913 250, 681	5,300 9,200		5,300 9,200
Textile industries Knitting mills	326,258	173,674	499,932	24, 200	-	24,200
Knitting mills	87, 209 211, 353	92,805 308,598	180,014 519,951	6, 100 15, 700	= =	6, 100 15, 700
Wood industries	1, 741, 557	779,418	2,520,975	54,700	-	54,700
Furniture and fixture industries	349,084 142,323	334,567 145,073	683,651 287,396	18,300 38,900		18,300 38,900
Printing, publishing and allied industries	272,585	427,927	700,512	29,900	-	29,900
Primary metal industries	-	_	-	-	-	-
transportation equipment industries)	447,780	366,807	814,587	29,600	_	29,600
Machinery industries (except electrical machinery) Transportation equipment industries	6, 166	10,667	16,833	1,200	_	1, 200
Electrical products industries	-		_		-	_
Non-metallic mineral products industries Petroleum and coal products industries	424,052	193,550	617,602	30,500		30,500
Chemical and chemical products industries	64,431	26,973	91,404	6,500	-	6,500 16,600
Miscellaneous industries	232,368 7,169,047	222,677 4,508,013	455, 045 11, 677, 060	16,600 399,900	_	399,900
Totals	1, 109, 041	4,000,013	11,077,000	333,300		333,300
Small establishments:	4, 109, 568	1,898,572	6,008,140	172, 800	_	172, 800
Food and beverage industries	4, 139	3,641	7, 780 9, 154	400 500	_	400 500
	4,943 30,054	4, 211 34, 718	64,772	2,400	_	2,400
Leather industries Textile industries	140, 129	74,464	214,593	10,400 2,200	-	10,400 2,200
Knitting mills	31,433 58,016	33,511 84,880	64,944 142,896	4,300	_	4, 300
Wood industries	902,317	403, 497	1,305,814 265,236	28,300 7,100	=	28,300 7,100
Furniture and fixture industries Paper and allied industries	135,535 69,495	129,701 70,900	140,395	19,000	-	19,000
Printing, publishing and allied industries	315,972	496, 295	812,267 455,516	34, 700 94, 400	_	34,700 94,400
Primary metal industries	210,904	244,612	i			
transportation equipment industries)	726,490	594, 402	1, 320, 892 534, 800	48,000 21,600	_	48,000 21,600
Machinery industries (except electrical machinery) Transportation equipment industries	300, 228 185, 905	234,572 322,033	507,938	34,600	-	34,600
Electrical products industries	185, 425	190,692	376, 117	21,200 28,400	_	21, 200 28, 400
Non-metallic mineral products industries Petroleum and coal products industries	395, 812	180,334	576, 146		-	Acres .
Chemical and chemical products industries	230,785	96,570	327, 355 491, 798	23, 200 17, 900		23,200 17,900
Miscellaneous industries	251, 308	240, 490 5, 338, 095 ⁴	13, 626, 553	571, 400 ⁴		571,400
Totals	8, 288, 458	3, 338, 093	10,000,000	011, 300		011,200

¹ For 1958 small establishments were required to report only the value of purchased power, without giving the number of kwh. consumed. Estimates were, therefore, made of the kwh. consumption of these establishments. These estimates are based on the cost per kwh. reported by the large establishments. The value of purchased electricity reported by small establishments was only about 2 p.c. of the total for manufacturing as a whole, It was also assumed that no power for own use was generated by small establishments.

¹ Since 1954 electricity purchased".

² Electricity purchased".

[&]quot;Electricity purchased".

In 1960 the medium-size establishments reported separately the cost of fuel and electricity while the small establishments do not supply any information at all. The total cost of fuel and electricity consumed by small establishments was, therefore, estimated on the basis of the 1958 figures reported by the small establishments, adjusted for changes in the selling value of factory shipments in 1960 as compared with 1958. The break-down of the total cost of fuel and electricity used by small establishments was then estimated on the basis of the proportions of fuel and electricity used by small establishments was then estimated on the basis of the proportions of fuel and electricity reported by the small establishments in 1958. Since medium-size and small establishments did not report why. consumption, estimates were made on the basis of unit costs reported by large establishments, A total was obtained by adding the group estimates. This calculated total was then apportioned provincially on the basis of the percentage of the total cost of electricity reported by each province. The figures for 1958 to 1960 given in Table 61 provincially on the basis of the percentage of the various kinds of fuel used by small and medium-size establishments. The figures given in Tables 64 and 65 for 1958 to 1960 refer only to large establishments which reported 95.2 p.c. of the estimated total for all establishments.

Provincial figures do not add to the Canada total due to the method used in their calculation.

TABLE 62. Power Equipment Installed in the Manufacturing Industries of Canada, 1926-48, with Details by Provinces and Industrial Groups, 1953

1929	698, 343 762, 697 738, 297 834, 703 827, 801 013, 615 032, 639 076, 411 16, 015 651 58, 880 96, 125 233, 411 554, 856 10, 675 17, 168 67, 015 236, 959 —	56, 068 60, 841 76, 583 98, 233 121, 997 288, 312 368, 458 544, 888 14, 468 3, 323 38, 590 26, 070 111, 508 168, 009 14, 907 30, 355 94, 608 238, 120 2, 354	603,618 645,270 657,683 649,557 731,390 729,216 732,859 1,150,308 235,935 632 13,100 14,030 253,880 316,958 28 —	horsep 1,358,029 1,468,808 1,472,563 1,582,493 1,681,188 2,031,143 2,133,956 2,771,607 266,418 4,606 110,570 136,225 598,799 1,039,823 25,610 47,523 161,623 602,144	1,764,348 2,386,840 2,662,445 3,129,790 3,364,099 4,437,296 4,649,993 5,387,807 15,557 3,034 144,638 186,253 2,887,658 3,108,826 207,057 65,845 176,037 606,857	3, 122, 377 3, 855, 648 4, 135, 008 4, 712, 283 5, 045, 287 6, 468, 439 6, 783, 949 8, 159, 414 281, 975 7, 640 255, 208 322, 478 3, 486, 457 4, 148, 649 232, 667 113, 368 337, 660 1, 209, 001	391,708 495,921 497,392 602,955 694,450 779,717 820,371 931,312 225,504 — 82,711 88,556 173,419 423,112 6,219 1,997 23,620 278,403	2, 156, 056 2, 882, 761 3, 159, 837 3, 732, 745 4, 058, 549 5, 217, 013 5, 470, 364 6, 319, 119 241, 061 3, 034 227, 349 274, 809 3, 061, 077 3, 531, 938 213, 276 67, 842 199, 657 885, 260
1929	762,697 7738,297 834,703 827,801 013,615 032,639 076,411 16,015 651 58,880 96,125 233,411 554,856 10,675 17,168 67,015 236,959	60,841 76,583 98,233 121,997 288,312 368,458 544,888 14,468 3,323 38,590 26,070 111,508 168,009 14,907 30,355 94,608 238,120	645,270 657,683 649,557 731,390 729,216 732,859 1,150,308 235,935 632 13,100 14,030 253,880 316,958 28	1,468,808 1,472,563 1,582,493 1,681,188 2,031,143 2,133,956 2,771,607 266,418 4,606 110,570 136,225 598,799 1,039,823 25,610 47,523 161,623 602,144	2,386,840 2,662,445 3,129,790 3,364,099 4,437,296 4,649,993 5,387,807 15,557 3,034 144,638 186,253 2,887,658 3,108,826 207,057 65,845 176,037	3,855,648 4,135,008 4,712,283 5,045,287 6,468,439 6,783,949 8,159,414 281,975 7,640 255,208 322,478 3,486,457 4,148,649 232,667 113,368 337,660	495, 921 497, 392 602, 955 694, 450 779, 717 820, 371 931, 312 225, 504 — 82, 711 88, 556 173, 419 423, 112 6, 219 1, 997 23, 620	2,882,761 3,159,837 3,732,745 4,058,549 5,217,013 5,470,364 6,319,119 241,061 3,034 227,349 274,809 3,061,077 3,531,938 213,276 67,842 199,657
1929	762,697 7738,297 834,703 827,801 013,615 032,639 076,411 16,015 651 58,880 96,125 233,411 554,856 10,675 17,168 67,015 236,959	60,841 76,583 98,233 121,997 288,312 368,458 544,888 14,468 3,323 38,590 26,070 111,508 168,009 14,907 30,355 94,608 238,120	645,270 657,683 649,557 731,390 729,216 732,859 1,150,308 235,935 632 13,100 14,030 253,880 316,958 28	1,468,808 1,472,563 1,582,493 1,681,188 2,031,143 2,133,956 2,771,607 266,418 4,606 110,570 136,225 598,799 1,039,823 25,610 47,523 161,623 602,144	2,386,840 2,662,445 3,129,790 3,364,099 4,437,296 4,649,993 5,387,807 15,557 3,034 144,638 186,253 2,887,658 3,108,826 207,057 65,845 176,037	4, 135, 008 4, 712, 283 5, 045, 287 6, 468, 439 6, 783, 949 8, 159, 414 281, 975 7, 640 255, 208 322, 478 3, 486, 457 4, 148, 649 232, 667 113, 368 337, 660	497,392 602,955 694,450 779,717 820,371 931,312 225,504 — 82,711 88,556 173,419 423,112 6,219 1,997 23,620	3, 159, 837 3, 732, 745 4, 058, 549 5, 217, 013 5, 470, 364 6, 319, 119 241, 061 3, 034 227, 349 274, 809 3, 061, 077 3, 531, 938 213, 276 67, 842 199, 657
1933	738, 297 834, 703 827, 801 013, 615 032, 639 076, 411 16, 015 651 58, 880 96, 125 233, 411 554, 856 10, 675 17, 168 67, 015 236, 959	76,583 98,233 121,997 288,312 368,458 544,888 14,468 3,323 38,590 26,070 111,508 168,009 14,907 30,355 94,608 238,120	657, 683 649, 557 731, 390 729, 216 732, 859 1, 150, 308 235, 935 632 13, 100 14, 030 253, 880 316, 958 28	1,472,563 1,582,493 1,681,188 2,031,143 2,133,956 2,771,607 266,418 4,606 110,570 136,225 598,799 1,039,823 25,610 47,523 161,623 602,144	3, 129, 790 3, 364, 099 4, 437, 296 4, 649, 993 5, 387, 807 15, 557 3, 034 144, 638 186, 253 2, 887, 658 3, 108, 826 207, 057 65, 845 176, 037	4,712,283 5,045,287 6,468,439 6,783,949 8,159,414 281,975 7,640 255,208 322,478 3,486,457 4,148,649 232,667 113,368 337,660	602,955 694,450 779,717 820,371 931,312 225,504 	3, 732, 745 4,058,549 5,217,013 5,470,364 6,319,119 241,061 3,034 227,349 274,809 3,061,077 3,531,938 213,276 67,842 199,657
1937	834, 703 827, 801 013, 615 032, 639 076, 411 16, 015 651 58, 880 96, 125 233, 411 554, 856 10, 675 17, 168 67, 015 236, 959	98, 233 121, 997 288, 312 368, 458 544, 888 14, 468 3, 323 38, 590 26, 070 111, 508 168, 009 14, 907 30, 355 94, 608 238, 120	649,557 731,390 729,216 732,859 1,150,308 235,935 632 13,100 14,030 253,880 316,958 28 — —	1,582,493 1,681,188 2,031,143 2,133,956 2,771,607 266,418 4,606 110,570 136,225 598,799 1,039,823 25,610 47,523 161,623 602,144	3,364,099 4,437,296 4,649,993 5,387,807 15,557 3,034 144,638 186,253 2,887,658 3,108,826 207,057 65,845 176,037	5,045,287 6,468,439 6,783,949 8,159,414 281,975 7,640 255,208 322,478 3,486,457 4,148,649 232,667 113,368 337,660	694, 450 779, 717 820, 371 931, 312 225, 504 	4,058,549 5,217,013 5,470,364 6,319,119 241,061 3,034 227,349 274,809 3,061,077 3,531,938 213,276 67,842 199,657
1939	827,801 013,615 032,639 076,411 16,015 651 58,880 96,125 233,411 554,856 10,675 17,168 67,015 236,959	121, 997 288, 312 368, 458 544, 888 14, 468 3, 323 38, 590 26, 070 111, 508 168, 009 14, 907 30, 355 94, 608 238, 120	731, 390 729, 216 732, 859 1, 150, 308 235, 935 632 13, 100 14, 030 253, 880 316, 958 28	2,031,143 2,133,956 2,771,607 266,418 4,606 110,570 136,225 598,799 1,039,823 25,610 47,523 161,623 602,144	4, 437, 296 4, 649, 993 5, 387, 807 15, 557 3, 034 144, 638 186, 253 2, 887, 658 3, 108, 826 207, 057 65, 845 176, 037	6, 468, 439 6, 783, 949 8, 159, 414 281, 975 7, 640 255, 208 322, 478 3, 486, 457 4, 148, 649 232, 667 113, 368 337, 660	779, 717 820, 371 931, 312 225, 504 - 82, 711 88, 556 173, 419 423, 112 6, 219 1, 997 23, 620	5, 217, 013 5, 470, 364 6, 319, 119 241, 061 3, 034 227, 349 274, 809 3, 061, 077 3, 531, 938 213, 276 67, 842 199, 657
1944	013, 615 032, 639 076, 411 16, 015 651 58, 880 96, 125 233, 411 554, 856 10, 675 17, 168 67, 015 236, 959	288, 312 368, 458 544, 888 14, 468 3, 323 38, 590 26, 070 111, 508 168, 009 14, 907 30, 355 94, 608 238, 120	732,859 1,150,308 235,935 632 13,100 14,030 253,880 316,958 28 —	2, 133, 956 2, 771, 607 266, 418 4, 606 110, 570 136, 225 598, 799 1, 039, 823 25, 610 47, 523 161, 623 602, 144	4, 649, 993 5, 387, 807 15, 557 3, 034 144, 638 186, 253 2, 887, 658 3, 108, 826 207, 057 65, 845 176, 037	6,783,949 8,159,414 281,975 7,640 255,208 322,478 3,486,457 4,148,649 232,667 113,368 337,660	820,371 931,312 225,504 — 82,711 88,556 173,419 423,112 6,219 1,997 23,620	5, 470, 364 6, 319, 119 241, 061 3, 034 227, 349 274, 809 3, 061, 077 3, 531, 938 213, 276 67, 842 199, 657
1946	16, 015 651 58, 880 96, 125 233, 411 554, 856 10, 675 17, 168 67, 015 236, 959	368, 458 544, 888 14, 468 3, 323 38, 590 26, 070 111, 508 168, 009 14, 907 30, 355 94, 608 238, 120	732,859 1,150,308 235,935 632 13,100 14,030 253,880 316,958 28 —	2,771,607 266,418 4,606 110,570 136,225 598,799 1,039,823 25,610 47,523 161,623 602,144	5,387,807 15,557 3,034 144,638 186,253 2,887,658 3,108,826 207,057 65,845 176,037	8, 159, 414 281, 975 7, 640 255, 208 322, 478 3, 486, 457 4, 148, 649 232, 667 113, 368 337, 660	931,312 225,504 — 82,711 88,556 173,419 423,112 6,219 1,997 23,620	241,061 3,034 227,349 274,809 3,061,077 3,531,938 213,276 67,842 199,657
Provinces, 1953 Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Totals Industrial groups, 1953 Foods and beverages Tobacco and tobacco products Rubber products	16, 015 651 58, 880 96, 125 233, 411 554, 856 10, 675 17, 168 67, 015 236, 959	14, 468 3, 323 38, 590 26, 070 111, 508 168, 009 14, 907 30, 355 94, 608 238, 120	1,150,308 235,935 632 13,100 14,030 253,880 316,958 28 —	2,771,607 266,418 4,606 110,570 136,225 598,799 1,039,823 25,610 47,523 161,623 602,144	15,557 3,034 144,638 186,253 2,887,658 3,108,826 207,057 65,845 176,037	281, 975 7, 640 255, 208 322, 478 3, 486, 457 4, 148, 649 232, 667 113, 368 337, 660	225,504 	241,061 3,034 227,349 274,809 3,061,077 3,531,938 213,276 67,842 199,657
Provinces, 1953 Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Totals Industrial groups, 1953 Foods and beverages Tobacco and tobacco products Rubber products	16,015 651 58,880 96,125 233,411 554,856 10,675 17,168 67,015 236,959	14, 468 3, 323 38, 590 26, 070 111, 508 168, 009 14, 907 30, 355 94, 608 238, 120	235, 935 632 13, 100 14, 030 253, 880 316, 958 28	266, 418 4, 606 110, 570 136, 225 598, 799 1, 039, 823 25, 610 47, 523 161, 623 602, 144	3,034 144,638 186,253 2,887,658 3,108,826 207,057 65,845 176,037	7, 640 255, 208 322, 478 3, 486, 457 4, 148, 649 232, 667 113, 368 337, 660	82,711 88,556 173,419 423,112 6,219 1,997 23,620	3,034 227,349 274,809 3,061,077 3,531,938 213,276 67,842 199,657
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Totals Industrial groups, 1953 Foods and beverages Rubber products Rubber products	651 58,880 96,125 233,411 554,856 10,675 17,168 67,015 236,959	3,323 38,590 26,070 111,508 168,009 14,907 30,355 94,608 238,120	632 13,100 14,030 253,880 316,958 28 —	4,606 110,570 136,225 598,799 1,039,823 25,610 47,523 161,623 602,144	3,034 144,638 186,253 2,887,658 3,108,826 207,057 65,845 176,037	7, 640 255, 208 322, 478 3, 486, 457 4, 148, 649 232, 667 113, 368 337, 660	82,711 88,556 173,419 423,112 6,219 1,997 23,620	3,034 227,349 274,809 3,061,077 3,531,938 213,276 67,842 199,657
Prince Edward Island Nova Scotia New Brunswick Quebec	651 58,880 96,125 233,411 554,856 10,675 17,168 67,015 236,959	3,323 38,590 26,070 111,508 168,009 14,907 30,355 94,608 238,120	632 13,100 14,030 253,880 316,958 28 —	4,606 110,570 136,225 598,799 1,039,823 25,610 47,523 161,623 602,144	3,034 144,638 186,253 2,887,658 3,108,826 207,057 65,845 176,037	7, 640 255, 208 322, 478 3, 486, 457 4, 148, 649 232, 667 113, 368 337, 660	82,711 88,556 173,419 423,112 6,219 1,997 23,620	3,034 227,349 274,809 3,061,077 3,531,938 213,276 67,842 199,657
Nova Scotia New Brunswick Quebec	58, 880 96, 125 233, 411 554, 856 10, 675 17, 168 67, 015 236, 959	38, 590 26, 070 111, 508 168, 009 14, 907 30, 355 94, 608 238, 120	13, 100 14, 030 253, 880 316, 958 28 —	110,570 136,225 598,799 1,039,823 25,610 47,523 161,623 602,144	144, 638 186, 253 2, 887, 658 3, 108, 826 207, 057 65, 845 176, 037	255, 208 322, 478 3, 486, 457 4, 148, 649 232, 667 113, 368 337, 660	88, 556 173, 419 423, 112 6, 219 1, 997 23, 620	227, 349 274, 809 3, 061, 077 3, 531, 938 213, 276 67, 842 199, 657
New Brunswick 2 Quebec 5 Ontario 5 Manitoba 5 Saskatchewan Alberta British Columbia 7 Yukon and Northwest Territories 1 Totals 1 Industrial groups, 1953 Foods and beverages 7 Tobacco and tobacco products 7 Rubber products 7	96, 125 233, 411 554, 856 10, 675 17, 168 67, 015 236, 959	26, 070 111, 508 168, 009 14, 907 30, 355 94, 608 238, 120	14, 030 253, 880 316, 958 28 —	136, 225 598, 799 1, 039, 823 25, 610 47, 523 161, 623 602, 144	186, 253 2, 887, 658 3, 108, 826 207, 057 65, 845 176, 037	322, 478 3, 486, 457 4, 148, 649 232, 667 113, 368 337, 660	88, 556 173, 419 423, 112 6, 219 1, 997 23, 620	274,809 3,061,077 3,531,938 213,276 67,842 199,657
Quebec	233, 411 554, 856 10, 675 17, 168 67, 015 236, 959	111, 508 168, 009 14, 907 30, 355 94, 608 238, 120	253,880 316,958 28 —	598, 799 1, 039, 823 25, 610 47, 523 161, 623 602, 144	2,887,658 3,108,826 207,057 65,845 176,037	3, 486, 457 4, 148, 649 232, 667 113, 368 337, 660	173, 419 423, 112 6, 219 1, 997 23, 620	3,061,077 3,531,938 213,276 67,842 199,657
Ontario	554, 856 10, 675 17, 168 67, 015 236, 959	168,009 14,907 30,355 94,608 238,120	316,958 28 —	1, 039, 823 25, 610 47, 523 161, 623 602, 144	3, 108, 826 207, 057 65, 845 176, 037	4, 148, 649 232, 667 113, 368 337, 660	423, 112 6, 219 1, 997 23, 620	3, 531, 938 213, 276 67, 842 199, 657
Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Totals Industrial groups, 1953 Foods and beverages Tobacco and tobacco products Rubber products	10,675 17,168 67,015 236,959	14, 907 30, 355 94, 608 238, 120	28 - -	25, 610 47, 523 161, 623 602, 144	207, 057 65, 845 176, 037	232, 667 113, 368 337, 660	6, 219 1, 997 23, 620	213, 276 67, 842 199, 657
Saskatchewan Alberta British Columbia Yukon and Northwest Territories Totals Industrial groups, 1953 Foods and beverages Tobacco and tobacco products Rubber products	17, 168 67, 015 236, 959	30, 355 94, 608 238, 120	-	47, 523 161, 623 602, 144	65, 845 176, 037	113, 368 337, 660	1, 997 23, 620	67, 842 199, 657
Alberta	67, 015 236, 959	94, 608 238, 120	-	161, 623 602, 144	176,037	337, 660	23,620	199,657
British Columbia	236, 959	238, 120		602, 144				
Yukon and Northwest Territories Totals	wine		127, 065 —		606,857	1,209,001	278, 403	885, 260
Totals		2,354	-					
Industrial groups, 1953 Foods and beverages Tobacco and tobacco products Rubber products	291, 755 ¹			2,354	246	2,600	-	246
Foods and beverages Tobacco and tobacco products Rubber products		742, 312	961, 628	2, 995, 695	7, 402, 008	10,397,703	1, 303, 541	8, 705, 549
Foods and beverages Tobacco and tobacco products Rubber products		}						
Tobacco and tobacco products	76,515	53,946	22, 074	152,535	623,869	776, 404	50,343	674,212
Rubber products	466	375	_	841	10,345	11, 186		10,345
	6,038	182	1,500	7,720	134, 452	142, 172	270	134,722
Headici broadots	1,770	193	150	2, 113	41,667	43,780	370	42,037
Textiles (except clothing)	29, 814	7,099	16,311	53, 224	311, 147	364,371	16, 932	328,079
Knitting mills	2, 936	462	1,790	5, 188	60, 587	65,775	204	60,791
Clothing, (textile and fur)	643	235		878	25, 693	26, 571		25, 693
	257, 627	522,452	31,836	811, 915	441, 268	1, 253, 183	94, 301	535, 569
	361,680	7, 412	872, 557	1, 241, 649	2, 331, 436	3,573,085	926,613	3, 258, 049
Printing, publishing and allied industries	619	1,043	_	1,662	78,320	79,982	_	78,320
	178,364	47,651	263	226, 278	1,049,778	1, 276, 056	72, 149	1, 121, 927
	124,320	10, 461	127	134, 908	460, 305	595, 213	55, 633	515, 938
Non-ferrous metal products	20,570	358	_	20, 928	670, 914	691,842	6, 195	677,109
Electrical apparatus and supplies	8,372	6,646	3,975	18, 993	240,343	259,336	_	240,343
Non-metallic mineral products	12,003	46,333	716	59, 052	287,661	346, 713	5, 789	293,450
	116, 324	22,971	6	139,301	158, 884	298, 185	14, 260	173, 144
Chemicals and allied products	89, 754	14, 035	10,323	114, 112	417, 095	531, 207	59, 082	476, 177
Miscellaneous industries	3,940	458	10,020	4, 398	1 221,000	002,201	1,400	59, 644

¹ Includes "Steam engines" 365,992 hp. and "Steam turbines" 925,763 hp.

TABLE 63. Power Equipment Installed in the Manufacturing Industries of Canada, by Provinces and Industrial Groups, 1958

				oroups, 1				T
		Prime	movers not	driving gene	rators			
	Steam engines	Steam turbines	Diesel engines	Gasoline, gas and oil engines, other than diesel	Hydraulic turbines	Total prime movers	Electric motors	Total power equipment
				horse	power			1
Province								
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories	98 221 5,052 6,470 45,637 66,335 1,445 1,257 7,224 22,921 35	15 30 11,995 4,167 84,452 195,871 2,337 14,673 52,270 52,275 2,000	5,752 1,762 11,429 9,268 43,559 68,300 10,994 6,717 22,630 113,593 1,983	6,352 1,015 18,748 6,919 40,828 155,647 17,685 29,917 61,040 93,776	22,063 513 1,572 6,256 60,115 25,151 115 208 112 16,568	34,280 3,541 48,796 33,080 274,591 511,304 32,576 52,772 143,276 299,133 4,548	234, 263 3, 303 198, 866 210, 545 3, 520, 476 4, 424, 530 243, 444 101, 404 283, 708 1, 383, 629 4, 632	268,543 6,844 247,662 243,625 3,795,067 4,935,834 276,020 154,176 426,984 1,682,762 9,180
Canada	156, 695	420,085	295,987	432,457	132, 673	1,437,897	10,608,800	12,046,697
Industrial group								
Foods and beverages Tobacco and tobacco products Rubber products Leather products Textlles Knitting mills Clothing Wood products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	16, 433 240 1, 895 1, 754 269 10 59, 873 10, 354 4 4, 340 6, 011 397 67 2, 913 14, 531 36, 550 931	9,415 - 1,018 173 795 14 70 14,623 65,472 117,923 3,988 6,880 522 1,295 179,028 17,709 1,160	22,887	23,231 	11,060 	83,026 3,931 525 5,187 286 475,329 198,680 20 162,845 19,204 19,691 2,142 216,322 249,721 98,248 2,420	741,460 20,229 147,812 44,047 292,191 23,275 26,790 544,411 3,928,249 108,113 1,498,043 577,487 992,793 214,759 468,811 333,268 468,811 333,268	824, 486 20, 469 151, 743 44, 572 297, 378 23, 561 26, 870 1, 019, 740 4, 126, 929 108, 133 1, 660, 888 596, 691 1, 012, 484 216, 901 585, 133 582, 988 684, 200 63, 530
		Prin	ne movers dr	iving generat	ors			
Province Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Canada	100	22,800 10 15,140 129,409 91,250 253,044 6,608 6,810 81,199 209,615 50 815,935	3,829 45 4,137 3,516 9,723 24,135 256 9,224 7,214 47,022 5,324 114,425	184 	65, 400 7, 665 20, 500 107, 810 322, 233 	92,313 55 37,235 156,664 227,440 649,958 9,024 17,229 110,944 411,198 5,374 1,717,434		-
Industrial aroun								
Industrial group Foods and beverages Rubber products Leather products Leather products Leather products Textiles Knitting mills Clothing Wood products Paper products Printing, publishing and allied industries Iron and steel products Transportation equipment Non-ferrous metal products Electrical apparatus and supplies Non-metallic mineral products Products of petroleum and coal Chemicals and allied products Miscellaneous industries	6,750 	38,057 5,112 5,00 18,380 	11, 118	820 	5,977 400 150 9,765 826 4,316 609,149 - - 2,900 18,500 11,100 5	62,722 5,547 650 31,433 863 190,890 1,047,246 871 122,467 122,068 45,666 12,636 17,801 133,644 99,723 3,486		

TABLE 64. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-59 and by Provinces and Industrial Groups, 1960

	Year, province and group		Bituminous		Anthracite	Lignite	Coke	Gasoline
No.		Canadian	Imported	Sub- bituminous	Anunacie	Lignice		
2100					dollars			
1	19 264	34,500	. 291	2	2, 173, 178	533,928	4, 157, 935	692, 404
2	19294	15, 832, 290	21, 754, 377	2	1,844,736	707,058	2, 332, 823	430, 258
3	19334	7,571,912	10,770,107	2	1, 033, 154	522,626	1,574,426	254,510
4	19375	15, 648, 467	16,255,262	2	1, 253, 376	759,600	5, 169, 524	799,060
5	1939	15, 744, 444	13, 386, 496	2	1, 151, 278	740,593	4,870,875	1, 208, 131
6	1944	19, 785, 479	55,667,410	2	2, 231, 277	1, 522, 417	7, 909, 168	7, 278, 337
7	1946	17,633,047	48, 211, 575	425,020	1,812,744	1,442,277	6,884,833	8, 425, 418
8	1948	28, 160, 528	73, 315, 170	440,737	2, 274, 727	1,598,940	9,575,838	13, 442, 363
9	19536	34, 503, 085	68,523,205	615,660	2,629,506	2, 241, 781	9,622,024	22, 892, 625
10	1956 ⁶	43, 191, 404	65,520,769	755, 330	2,721,907	2, 140, 733	12, 452, 676	35, 577, 464
11	19576	41,506,544	67,915,652	1,085,186	2,574,981	2,622,995	11,691,402	40, 279, 425
12	1958 ⁶ 8	36,950,331	60,092,837	432, 289	2,035,215	2, 561, 181	10,736,182	36, 494, 821
13	1959 ⁶ 9	37, 123, 634	50,862,406	266,835	2, 282, 010	1,603,976	11, 418, 112	32,689,208
	Province	22 000	7	_	7,600		1, 200	189,780
14	Newfoundland	33, 098		_	3, 289		1,095	54, 466
15	Prince Edward Island	15, 335	_		2, 562	_	648, 955	1,040,396
16	Nova Scotia	1,636,350	7		5,853		2, 319	792, 783
17	New Brunswick	6,035,877		0 120	1,657,862	29,035	558,810	8, 302, 559
18	Quebec	15, 318, 437	4, 145, 938	8, 139		333,890	6,976,018	15,592,410
19	Ontario	7, 188, 711	41, 295, 522	38, 625	845, 244	l.	231,881	1,420,633
20	Manitoba	518,974	78, 187	29,697	12, 420	1,008,205 27,577	180,056	689,707
21	Saskatchewan	1,586,091	7	5, 685	7	21,511	377,850	1,698,796
22	Alberta	5, 292		117, 586	5, 475	_	1, 429, 156	3, 176, 129
23	British Columbia	1, 375, 509	13, 244	23, 206	0,410	_	1, 125, 100	4, 157
24	Yukon and Northwest Territories	_			0 740 000	1, 398, 707	10, 407, 340	32, 961, 816
25	Totals, 1960°	33, 713, 674	45, 535, 937	222, 938	2, 540, 689	1, 350, 101	10, 401, 510	52,501,01
	Industrial group							
26	Food and beverage industries	1,530,283	5, 269, 178	117, 975	266, 257	415,053	124, 168	15,609,687
27	Tobacco products industries	6,947	107, 826	_	2,080	_	7	31,626
28	Rubber industries	66,864	1, 597, 175	-	-	_	7	95, 621
29	Leather industries	90,568	526, 252	_	6,061	-	1,459	78, 21
30		1, 105, 653	1, 325, 235	20,077	106,099	7	24, 819	327, 986
31	_	76,824	327, 821	-	6, 345	-	1	39, 566
32		60,051	72,629	-	9,675	_	_	363, 048
33		146,826	115, 581	5, 668	24,834	6,878	1, 233	3, 429, 044
34	Furniture and fixture industries	99, 372	272, 235	11, 437	26, 195	28,670	4, 458	437, 55
35		15, 343, 772	8, 532, 454	1	42,673	570,619		889, 94
36		67, 888	120,704	_	18,762	3, 449	1,512	818, 403
37		7, 155, 376	6, 485, 759	7	1,500,879	25, 110	6, 290, 865	753, 200
38	and transportation equipment)	331, 348	815, 872	2, 821	94, 420	13, 552	21, 271	2,057,970
39	Machinery industries (except electrical ma- chinery)	233,832	618, 448	3, 244	130, 796	7	26, 249	486,83
40	· ·	627, 238	3, 944, 163		115, 305	203, 561	185, 139	1,446,00
41		263, 018	952, 995	1	109,669	4, 485		540,73
42		5,740,834	6,007,344	1	9, 455	108, 365	149, 365	3,733,19
43			9, 247	1	-	-	3, 469, 931	285,09
44		666, 200	8,012,491	1	32, 125	3,812	100, 240	853, 60
45		100,780			39, 068	13, 658	5, 386	684, 47
41	made of a manufacturing interest to a manufacturing in the state of th	200, 100		,				

¹ Exclusive of the "Butter and cheese industry" in the province of Quebec in 1953.

² Included with "Other fuel",

³ Includes manufactured and natural,

⁴ For 1926, 1929 and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals in order to make the series comparable with current data,

⁵ Electricity purchased for metallurgical purposes in the Non-ferrous Metal Smelting and Refining is included for the first time.

⁶ Newfoundland included,

TABLE 64. Values of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-59 and by Provinces and Industrial C

	,		tild by	Provinces a	nu muustriai	Groups, 19t	50			
				Gas				Elect	ricity	
Steam purchased	Fuel oil	Wood	Liquified petroleum	Other manufactured	Natural	Other fuel	Total cost of fuel	Purchased ¹	Generated for sale ¹	No.
				do	llars			L		-
2	7, 102, 676	2, 533, 424		4,182	1863	804, 478	56, 680, 500	26, 235, 597	2	1
2	117, 874, 831	2,604,803	_	5, 218, 678	905,039	861, 048	60, 365, 941	37, 775, 877	904, 791	2
2	4, 566, 630	1,635,716	_	4,097,925	729, 385	766, 951	33, 523, 342	33, 092, 334	36, 393	3
2	8,580,369	1,636,098		6, 148, 643	1, 256, 276	2, 068, 361	59, 575, 036	50,032,810	288, 842	4
2	8,560,418	1, 562, 119	_	6, 506, 782	1, 385, 110	1, 946, 885	57,063,131	50, 509, 121	405, 690	5
2	21,822,975	2,340,460		13,779,303	3, 110, 803	2, 436, 141	137, 883, 770	87, 699, 383	1, 219, 086	6
2	23, 872, 464	2, 189, 271	_	12,086,381	1, 881, 984	2, 314, 606	127, 179, 620	83, 273, 105	1, 589, 447	7
2	50, 987, 211	1,991,384	_	20, 507, 352	2,080,617	4,688,972	209, 063, 839	94, 475, 355	887, 402	8
2	77,034,810	1, 368, 106	1,585,671	27, 642, 079	4,671,710	5, 882, 231	259, 212, 493	152, 576, 328	2, 486, 054	9
2	113, 467, 139	1,083,646	2,516,160	32, 653, 222	9,675,877	11, 546, 581	333, 304, 628	190, 636, 078	2, 400, 304	10
2	121,970,826	994,740	2, 467, 645	37, 855, 107	13, 115, 005	11, 404, 409	355, 483, 917	199,827,871	2, 218, 022	11
8, 276, 110	107, 355, 107	942, 856	2, 941, 900	34, 052, 063	20, 374, 779	4,910,289	328, 155, 960	211, 163, 612	2,534,714	12
9,867,674	104, 909, 283	755, 564	5, 622, 041	33, 354, 443	31, 599, 347	3, 762, 615	326, 117, 148	216, 010, 227	2,639,524	13
12, 151	3,410,298	7	3, 527		_	_	3,659,561	2, 944, 157	22, 568	14
	118, 835	4,804	1,571	_	_	2,000	201, 395	138,525	_	15
167, 291	3, 792, 763	14, 944	63,570	1, 356, 372	10,525	7,468	8, 741, 196	2,890,084	16, 188	16
68,823	3, 209, 245	98,660	85,847	7	720	11,593	10, 312, 530	4, 381, 519	535, 112	17
2, 313, 209	39,003,192	282, 502	846,941	4, 994, 739	2,820,408	625, 398	80, 907, 169	90, 701, 381	689,569	18
7,569,684	38, 194, 154	216,532	1, 356, 413	10,048,198	24, 407, 726	1, 168, 182	155, 231, 309	87, 250, 470	1,137,690	19
63, 606	2,814,013	27,081	44,909	626, 228	1, 295, 597	30, 207	8, 201,638	5, 106, 132	_	20
43,923	1, 267, 117	7	101,929	1,039,374	762,819	3, 256	5, 712, 425	3, 464, 863	_	21
45,623	1, 114, 309	-	24, 591	990,360	7, 334, 854	42,692	11, 752, 727	5, 852, 629	16,970	22
615, 507	10, 359, 277 101, 734	60,756	187, 714	1,979,217	3, 208, 907 12, 731	1,596,425 —	24, 030, 522 155, 826	24, 198, 508 9, 128	150, 945 9, 957	23 24
10,899,817	103, 384, 937	710, 155	2, 717, 012	21, 071, 768	39, 854, 287	3, 487, 221	308, 906, 298	226, 937, 396	2, 578, 999	25
876, 326	13, 157, 519	145,839	542, 982	60, 578	5, 552, 432	248, 689	43, 916, 966	16, 930, 148	3, 355	26
25, 123	336, 133	7	3,067	-	1,759	_	514, 905	452, 582		27
189, 146	497,020	1, 375	2,888	16, 257	93, 740	-	2,560,143	2,549,629		28
9, 288	329, 488	2,037	6, 199	7	65, 778	29, 481	1, 145, 057	805, 483		29
411, 515	4, 116, 340	-	102, 608	11, 293	353, 999	118, 655	8,024,340	6, 203, 535	-	30
54, 212	389, 277	, -	1, 989	7	22, 415	3, 625	922, 899	583, 811	- comm	31
102, 378	405, 597		7,719	7, 105	57, 152	6, 828	1,092,302	1, 277, 534	00 720	32
504, 304	2, 275, 639	130, 754	121, 601	5 405	232, 083	120, 191	7, 115, 153	7, 227, 742	86,732	33
21, 941	396,547	26, 358	8,021	5, 495	132, 194	14, 317	1, 484, 792	1, 367, 526	2 120 102	34
925, 846	19, 206, 495	32, 117	183, 326	205, 425	8,492,740 277,001	1, 436, 494 2, 952	55, 862, 272 2, 296, 654	59, 715, 235 2, 534, 427	2, 139, 183	35
81,019	859, 576 17, 592, 609	1, 700 73, 964	26,080 130,323	13, 175 467, 429	6, 274, 443	20, 097	46, 770, 714	53, 259, 531	209, 881	37
249, 571	3, 276, 026	8,501	255,631	69, 111	2,808,744	98,902	10, 103, 746	6, 875, 290	244	38
66,576	1, 284, 754	2, 573	42.079	2,098	582, 164	15, 745	3, 496, 825	2, 739, 965	-	39
211,876	3,096,549	9,577	150,690	35,951	1, 219, 108	568, 416	11, 813, 751	7,960,658	-	40
220,082	2, 295, 124	7	144, 905	12,662	943,070	95, 713	5,591,022	5, 743, 528	121, 778	41
441, 909	8,375,449	269, 424	247, 326	58,816	6, 276, 125	236, 734	31, 687, 902	14, 821, 209	-	42
92,676	19,680,026	-	634,094	16, 399, 385	1,793,654	44,619	42, 415, 723	7, 655, 980	9,957	43
	4 005 005	1, 174	69, 479	3,689,287	4, 420, 610	413,657	29, 653, 355	24,821,847	7,869	44
6, 393, 656 22, 373	4,995,895 818,874	3, 793	36,005	16, 904	255,026	12,007	2,437,777	2, 412, 086		45

7 Included in the total.

The figures for 1958 include only establishments with selling values of factory shipments of \$100,000 or over. These establishments reported over 98 p.c. of the total value of fuel used by the manufacturing industries of Canada.

The figures for 1959 and 1960 include only large establishments which for most industries refer to establishments with shipments of \$500,000 or over. They do not include the small and medium-sized establishments which in 1960 contributed 4.5 p.c. to the total cost of fuel and electricity consumed. For details of the cost of fuel and electricity used by small and medium-sized establishments see Table 61.

TABLE 65. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-59 and by Provinces and Industrial Groups, 1960

		rovinces a						
	Year, province and group		Bituminous		Anthracite	Lignite	Coke	Gasoline
		Canadian	Imported	Sub- bituminous				
No.				short	tons			Imp. gal.
	40008	5,776	719	2	283,678	146,098	475, 232	2,386,916
1 2	1926 ⁵	2, 816, 122	3,943,007	2	255,700	164, 544	380,432	1,717,560
3	19335	1, 499, 715	2,026,083	2	145,017	158, 437	288,811	1,079,807
4	19376	2,907,671	2,828,519	2	173,993	265,440	657,994	3,665,243
5	1939	2,893,613	2, 262, 378	2	167, 465	238,698	596,077	5,306,656
6	1944	2,538,345	7,336,983	2	228, 795	421,351	803, 179	24, 114, 057
7	1946	2,208,110	5,794,992	70,450	179, 139	394,689	691, 152	27,537,378
8	1948	2,869,674	7,468,497	65,449	194,211	378, 904	768, 240	39,861,137
9	19537	3, 180, 027	6,811,887	77,382	195,261	466,994	673,896	64,521,694
10	19567	3,818,961	6, 167, 119	88, 956	203,322	449,001	756,747	97,915,150
11	19577	3,497,154	6, 197, 815	105,719	181,589	535,711	659,915	108, 361, 743
12	1958 ^{7,9}	3,084,166	5,457,181	53, 130	144,345	523,817	688,375	99,653,898
13	1959 ^{7,10}	3,240,064	4,645,581	42,169	172,353	339, 206	761,036	92,652,124
	Province							
14	Newfoundland	1,575	8	_	220	- 1	60	444,585
15	Prince Edward Island	796	-	-	313	-	28	124,749
16	Nova Scotia	132,621	-	-	108	-	64,124	2,586,034
17	New Brunswick	544, 763	8	-	324	- 1	104	2,018,805
18	Quebec	1,381,417	323,033	540	130, 149	1,304	61, 234	22,697,913
19	Ontario	702, 220	4,027,885	3, 167	66,345	59,683	398,052	46, 136, 825
20	Manitoba	38,604	4,323	3,385	933	241, 226	26, 834	4, 143, 145
21	Saskatchewan	113,595	_	1,411	8	3,755	23,449	1,822,272
22	Alberta	568	8	23,109	8	_	70,554	5,001,385
23	British Columbia	142,707	951	1,965	239	_	87, 419	9,866,014
24	Yukon and Northwest Territories	_	_		_	_	_	22,977
25	Totals, 1960 ^{7,10}	3,058,866	4,356,360	33,577	198,659	305,968	731,858	94,864,704
	Industrial group							
26	Food and beverage industries	111,684	511,665	22,543	17,784	72,524	6,093	45,449,831
27	Tobacco products industries	414	8,506	_	115	-	8	77,594
28	Rubber industries	4,975	150,747	_	_	-		270,403
29	Leather industries	6, 120	43,917		309		72	188,036
30	Textile industries	94, 919	110,705	1,880	8,713		2,545	859,878
31	Knitting mills	6,423	27,368	-	375	_		96, 943
32	Clothing industries	3,788	5,415	-	524	600	-	848, 151 9, 655, 744
33	Wood industries	11, 172	8, 165	386	1,422	2,369	50 217	1,043,172
34	Furniture and fixture industries	7,075	20,043	857	1,033	108,513	217	2,728,547
35 36	Paper and allied industries	1,413,018	781,757 8,978	263	1,130	173	81	2, 339, 529
37	Printing, publishing and allied industries	587,771	530,874	8	120,678	1,076	300, 101	2, 468, 233
38	Primary metal industries	26,328	66,306	989	6,476	2,250	3,886	5, 308, 386
39	Machinery industries (except electrical machinery).	20, 328	58, 277	502	10,471	5	1,588	1,289,724
40	Transportation equipment industries	57, 856	424, 028	8	10,907	97,530	5,812	4,399,673
41	Electrical products industries	25,711	82,633	533	9,618	593	_	1,389,826
42	Non-metallic mineral products industries	603,688	516,887	4,062	584	18,419	11.452	11,096,641
	Petroleum and coal products industries	_	810	999	_	-	385, 183	1,278,903
43	retroleum and coar products industries						I .	
43 44	Chemical and chemical products industries	57, 129	965,814	91	2,037	538	14, 341	2,393,257

¹ Exclusive of the Butter and cheese industry in the province of Quebec in 1953.

¹ Exclusive of the Butter and cheese muushy in the provided 2 Not collected,
2 Not collected,
3 Includes manufactured and natural,
4 Value only, available,
5 For 1926, 1929, and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals already published in order to make the series comparable with current data,
6 Electricity purchased for metallurgical purposes in the Non-ferrous Metal Smelting and Refining is included for the first time.

TABLE 65. Quantities of Fuel and Electricity Consumed in the Manufacturing Industries for Selected Years 1926-59 and by Provinces and Industrial Groups, 1960

				Gas	Electricity				
Steam purchased	Fuel oil	Wood	Liquified petroleum	Other manufactured	Natural	Purchased ¹	Generated for own use ¹	Generated for sale ¹	
pounds	Imp. gal.	cords	Imp. gal.	Mo	f.		kwh.		-
2	110, 378, 654	722, 098	_		8,8543		1 2	1 2	
2	150, 910, 662	655, 975	_	41, 828, 619	4,558,391	H H	1 150 074 404	E2 E02 222	
2	115,926,083	549,712	_	23, 119, 514	3, 118, 402	9,771,514,859	1, 150, 974, 484	53, 593, 323	- 4
2	167, 824, 977	504, 261	_	59, 952, 258	5,802,210	17, 092, 769, 974	1, 241, 399, 928	2, 108, 460	
2	195, 134, 885	475,320	_	71,881,777	6, 112, 911	1	2,328,675,496	48,534,697	
2	349, 495, 395	408, 227	_	118, 057, 302	12,598,361	17, 072, 764, 222	2,357,668,720	76, 571, 743	
2	376,006,524	348, 440	_	95, 490, 776	8,744,901	25,777,238,678	2, 752, 124, 500	127, 214, 139	
2	482, 218, 705	309, 127		146, 548, 124		25, 250, 876, 449	2,714,261,524	166, 073, 767	
2	834, 641, 849	299, 468	9,840,533		9,962,480	24, 907, 413, 154	4,590,676,828	203,779,877	
2	1, 124, 521, 019	188, 776	17,554,665	73,441,492	21,516,353	34,026,135,310	6, 901, 443, 188	349, 904, 956	
2	1, 138, 442, 219	158, 977	16, 068, 119	83, 837, 949	44, 356, 597	40, 251, 872, 170	6,589,462,640	320, 859, 476	- 1
9,671,359,864	1, 116, 547, 362	123, 282		89, 967, 026	49,858,493	41,694,754,285	6, 363, 482, 563	337, 762, 658	
0,767,276,978	1, 256, 544, 552		25,684,770	89,666,286	66, 269, 301	45, 231, 141, 030	6,624,170,330	466, 026, 793	- 1
0, 101, 210, 310	1, 200, 044, 332	120,055	59,534,497	97, 292, 175	94,510,873	46, 813, 426, 489	6,725,004,265	475,697,606	
6,574,590	44, 184, 657	8	8,442	_	_	625, 122, 512	323,320,076	2,792,000	
-	825,406	381	4,683	-	-	5,691,447	_	_	
163, 298, 220	49,725,022	1,242	564,557	3,206,630	16,611	407, 016, 452	49, 385, 000	3, 426, 029	
74,427,000	38, 381, 266	9,495	397,867		720	551, 570, 077	482, 132, 958	84, 517, 660	
,340,450,467	511,471,441	83,238	6,953,327	13,092,005	5,502,824	29, 118, 156, 180	1,985,736,426	105, 523, 442	ı
,042,088,010	402, 258, 186	27,657	10,566,467	20, 878, 044	61,708,844	13,048,030,723	2,082,969,423	198, 796, 506	
44,565,814	43, 136, 230	3,408	202, 426	1,627,227	3,376,407	856, 668, 467	6, 134, 575		
91,050,200	21, 982, 768	8	3,472,880	3,595,004	2,537,462	524, 961, 125	347,500		I
67,938,457	25, 184, 178	_	117,906	4, 482, 691	41,419,362	629, 961, 779	314, 186, 388	1, 119, 000	
,318,991,436	136, 880, 858	6,870	1,451,205	5,406,645	8,652,022	6,745,098,013	2, 125, 309, 507	11,632,060	
_	1,802,122	_		8	39,785	401, 421	1,079,000	199, 137	1
, 149, 384, 194	1, 275, 832, 134	132,681	23, 739, 760	52, 339, 793	123, 254, 037	52, 512, 678, 196	7, 370, 600, 853	408, 005, 834	
550,436,523	132, 249, 080	23,687	2,889,658	65,546	18,681,394	1,541,143,522	107, 317, 737	44, 780	
16, 955, 112	3,893,922	8	13,075	-	1,920	42, 247, 804	-	-	ı
155, 843, 647	5,245,340	98	11,444	17,510	131,830	286,455,991	9, 240, 600	-	
6, 100, 000	2, 966, 528	408	17,495	8	99,321	55, 340, 281	100,000	_	-
316, 460, 119	50,678,651	-	640,877	6,880	1, 104, 199	863, 971, 119	92, 248, 780		1
23, 804, 907	3, 493, 593	-	18,995	8	29,807	38,649,961	1,041,777	_	1
-	3, 254, 176	8	29,449	5,004	90,916	65, 367, 757	-	-	ı
,335,273,318	11,706,330	15,477	554,911	3	896,817	510,826,860	218, 733, 830	4, 195, 140	ı
1,008,100	2,620,857	3,533	37,624	5, 257	157, 208	74, 771, 511	151,000	_	1
,097,258,530	274, 164, 532	2,713	701,306	1,267,530	22,357,083	16,025,195,087	5,076,912,562	363, 823, 191	1
14,948,214	6, 999, 271	71	124, 162	38,349	367,688	177, 392, 053	_	_	
-	198, 892, 529	2,337	695, 128	2, 424, 449	14,028,213	20, 951, 153, 699	1, 279, 672, 321	33, 096, 140	-
187,389,944	26, 841, 139	1,036	1,485,182	143,426	3,785,057	554, 728, 451	814,720	154, 820	
13,079,688	11, 121, 219	123	202,732	1,836	773,622	252, 110, 107	-	-	
124, 399, 483	30,443,729	1,247	1,068,499	46,847	1,773,401	854, 109, 204	85, 801, 520	_	
129,569,359	22,508,970	8	855,563	5,663	10,033,210	639, 784, 614	14,061,900	6,088,900	
573,633,076	92,061,010	79,621	2, 136, 477	94, 465	19, 244, 744	2,336,523,137	1,601,847	-	
140,365,173	333, 822, 859	-	11,766,617	41, 198, 717	8, 189, 450	1, 117, 172, 751	114,579,000	199, 137	
,462,774,201	56, 110, 794	77	274, 362	6, 992, 789	20, 318, 421	5,946,275,887	364, 872, 010	403,726	- new
,, , 202									

7 Newfoundland included.

^{&#}x27;Newfoundland included.

* Included in total.

* The figures for 1958 include only establishments with selling values of factory shipments of \$100,000 or over. These establishments reported over 98 p.c. of the total value of fuel used by the manufacturing industries of Canada.

* The figures for 1959 and 1960 include only large establishments which for most industries refer to establishments with shipments of \$500,000 or over. They do not include the small and medium-sized establishments which in 1960 contributed 4.5 p.c. to the total cost of fuel and electricity consumed. sumed.

PART II. PROVINCIAL AND LOCAL DISTRIBUTION OF MANUFACTURING PRODUCTION

SECTION 1. TYPE AND CONCENTRATION OF MANUFACTURING PRODUCTION

This part of the Report is introduced by a general analysis of the concentration of the manufacturing industries in the provinces. In the sections that follow, the principal features of the manufactures of each province are brought out and finally the distribution of manufacturing throughout the principal cities and towns of Canada is shown.

Ontario and Quebec are by far the most important manufacturing provinces of Canada. Their combined production in 1960 amounted to \$18,891,771,655 or 80 p.c. of the total gross value of manufactured products. The proximity of Ontario to the coal-fields of Pennysylvania, the water power and other varied resources of the provinces, and their nearness to the larger

markets of Canada and the United States have all contributed to this progress.

Table 1 shows the outstanding predominance of Ontario and Quebec in each industrial group. Quebec leads in the manufacture of tobacco and tobacco products, textiles (except clothing), clothing (textile and fur), and paper products. In each of the other groups Ontario has the greater production of the two provinces. In the production of wood products British Columbia with 52 p.c. of the total holds the dominant position, outranking both Ontario and Quebec which account respectively for 17 and 19 p.c. of the total, In each of the other groups Ontario and Quebec lead by a wide margin.

TABLE 1. Summary Statistics of Manufactures of each Province, classified by Industrial Groups, 1960

Totals overlage industries	IABLE 1. Summary Statistics	Of Manual	Julios of on					
Canada Food and beverage industries	Province and group	lish-	Employees		of materials	added by	of factory	
Food and beverage industries		num	ber	dollars				
Food and beverage industries					1	l	1	
1.	Canada							
Does	Food and beverage industries				3, 118, 200, 331		4,880,293,652 334,413,635	
Leather industries 608 30,424 83,918,955 134,436,607 130,595,924 81,143.36 87 124,436,607 130,595,924 81,143.36 87 124,1436,607 130,595,924 81,143.36 81,155 22,933 86,101,322,933 86,101,	Pubber industries				152,660,298	168, 965, 070	323, 053, 118	
18	Leather industries		30,424				268, 114, 309	
Variety Vari			61,756		104, 085, 566		198, 159, 994	
Variety Vari	Clothing industries			227, 213, 881	402, 732, 198	369, 365, 614	770,468,489	
Paper and allied industries	Wood industries	7,490	85, 262	283,521,417	598, 131, 213		1,068,041,527	
Paper Pape			34, 206		979, 872, 639	1, 035, 904, 372		
Primary metal industries	Printing publishing and allied industries				274,846,086	586, 142, 192	865, 930, 729	
## Achiery industries (except electrical machinity)	Primary metal industries			454, 582, 536	1,598,265,430	1,047,115,445	2,742,520,031	
Machinery industries (except electrical machin		2 200	00 505	420 720 381	662, 679, 077	750,664,816	1,432,904,803	
Chinery 533 43,495 109,417 518,352,786 1,096,084,723 299,011,885 329,103,223 042,408,994 109,417 518,352,786 1,096,084,723 219,004,759 21,005,689,246 24,013,582 21,005,689,246 24,013,582 21,005,689,246 24,013,582 21,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246 24,013,582 24,005,689,246	Machinery industries (except electrical ma-	4,090	90,000	420, 130, 001				
Transportation equipment industries	chinery)							
Non-metallic mineral products industries				348 588 227	1,096,084,723	624, 613, 582		
Petroleum and coal products industries					230, 750, 338	373,070,496	647, 461, 580	
Newfoundland	Petroleum and coal products industries	96		85,446,911				
Newfoundland Section				253, 231, 119	237 597 396		538, 935, 510	
Newfoundland	Miscellaneous manufacturing industries	2,450	41,000	112,210,100				
Solid State	Totals	36,682	1, 294, 629	5, 207, 167, 393	12, 705, 070, 820	10, 533, 208, 994	23, 747, 457, 083	
Solid State								
Tobacco products industries	Newfoundland							
Tobacco products industries Rubber industries Leather industries Leather industries Leather industries 1	Food and beverage industries	80	3,848	8,530,770	20,756,209	18,642,006	39,647,592	
Leather industries	Tobacco products industries	-	-	_	_	_	_	
Textile industries Knitting mills Clothing industries 470 667 1,464,090 3,142,353 2,108,350 104,347 156,566 7 1,464,090 3,142,353 2,108,350 104,347 156,566		3	3 -	3	3	3	3	
Rnitting mills			3	3	3	3	3	
Wood industries		3	3	3	3	3	3	
Furniture and fixture industries		470	667	1,464,090	3,142,353		5, 401, 222	
Printing, publishing and allied industries 29 412 1,305,619 629,255 2,499,586 3,204,92: Primary metal industries 3 94 280,658 105,111 293,382 384,80: Metal fabricating (except machinery and transportation equipment industries) 6 175 576,818 842,410 890,658 1,667,47: Machinery industries (except electrical machinery industries (except electrical machinery) 7 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Furniture and fixture industries	8	26	78,378	50, 361		156,566	
Primary metal industries 3 94 280,658 105,111 293,382 384,807 Metal fabricating (except machinery and transportation equipment industries) 6 175 576,818 842,410 890,658 1,667,473 Machinery industries (except electrical machinery industries) 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3					28,773,938			
Metal fabricating (except machinery and transportation equipment industries)						293, 382	384,802	
Machinery industries (except electrical machinery) 178		_				000 050	1 000 450	
Chinery) Chinery	portation equipment industries)	6	175	576,818	842,410	890,658	1,001,413	
Transportation equipment industries		3		3	3		3	
Non-metallic mineral products industries	Transportation equipment industries	3	3	3	3	3	3	
The state of the		3	302	1 065 446	1,650,688	2, 214, 084	4, 392, 124	
Chemical and chemical products industries 3 Miscellaneous manufacturing industries 7 All other groups 19 810 2,350,475 2,722,731 3,134,845 5,942,32: 2,000,475 2,722,731	Petroleum and coal products industries		303	1,000,410	-	-		
Miscellaneous manufacturing industries	Chemical and chemical products industries	3	3	3	3	3 250 520	501 024	
All other groups							5,942,323	
Totals		19						
	Totals	635	9,489	32, 703, 188	58,903,797	64,650,269	129, 284, 578	

TABLE 1. Summary Statistics of Manufactures of each Province, classified by Industrial Groups, 1960 - Continued

Prince Edward Island Food and beverage industries Tobacco products industries Rubber industries Leather industries Leather industries Textile industries Xnitting mills Clothing industries Wood industries Furniture and fixture industries Furniture and fixture industries Faper and allied industries Paper and allied industries Primary metal industries Primary metal industries Metal fabricating (except machinery and transportation equipment industries) Machinery industries (except electrical machi-	84 — 666 4	3, 210 3, 210	2, §37, 332	dol.	lars 5,698,180	
Food and beverage industries Tobacco products industries Rubber industries Leather industries Leather industries Service industries Service industries Service industries Service industries Furniture and fixture industries Faper and allied industries Printing, publishing and allied industries Printing, publishing and allied industries Service industries Primary metal industries Service industries Service industries Service industries Metal fabricating (except machinery and transportation equipment industries) Machinery industries (except electrical machi-	- - 66	1, 210 3 - 3 -	2,837,332	17,469,430	5,698 180	
Rubber industries Leather industries Leather industries Leather industries Stritting mills Clothing industries Wood industries Furniture and fixture industries Paper and allied industries Printing, publishing and allied industries Primary metal industries Metal fabricating (except machinery and transportation equipment industries) Machinery industries Machinery industries Machinery industries Time Transportation equipment industries Machinery industries Machinery industries Machinery industries	- - 66	1,210 3 - 3 -	2, §37, 332	17,469,430	5,698 180	
Rubber industries Leather Industries Leather Industries Leather Industries Stritting mills Clothing industries Wood industries Furniture and fixture industries Furniture and fixture industries Paper and allied industries Primary metal industries Metal fabricating (except machinery and transportation equipment industries) Machinery industries 3 Metal fabricating (except machinery and transportation equipment industries) Machinery industries Machinery industries	- - 66	3 3	3 -	11, 100, 100		00 451 410
Textile industries	- - 66	3 3 -	3 3		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	23,451,413
Knitting mills Clothing industries Wood industries Puniture and fixture industries Paper and allied industries Primary metal industries Metal fabricating (except machinery and transportation equipment industries) Machinery industries (except electrical machi-	66	_		3	3	3
Purniture and fixture industries Paper and allied industries Printing, publishing and allied industries Primary metal industries Metal fabricating (except machinery and transportation equipment industries) Machinery industries (except electrical machi-		_	_	-	, _	,
Purniture and fixture industries Paper and allied industries Printing, publishing and allied industries Primary metal industries Metal fabricating (except machinery and transportation equipment industries) Machinery industries (except electrical machi-	4	177	318,010	788, 238	607, 255	1,409,986
Printing, publishing and allied industries		3 20	48,582	41, 241	74,728	119, 985
Machinery industries (except electrical machi-	7	177	474,657	223,910	894,098	1,144,594
machinery industries (except electrical machi-				,	,	3
	3	32	84, 200	129,665	135, 218	268, 407
nery) Transportation equipment industries	-4	40	102,346	109,048	120 222	-
Electrical product industries			-	-	120, 222	236, 756
Petroleum and coal products industries	-4	21	62,563	56,600	125, 288	187,760
Miscellaneous manufacturing industries	3	4	18,974	6,343	22,436	29, 339
All other groups	9	125	308, 253	2, 395, 585	1,012,935	3, 383, 121
Totals	184	1,806	4, 254, 917	21, 220, 060	8,690,360	30, 231, 361
Nova Scotia						
Food and beverage industries	383	8,875	22,065,186	77,046,678	46, 234, 548	125,603,722
Tobacco products industries	_	_	_	_	-	
eather industries		3	1 000 100	3	3	3
Textile industries Knitting mills	9	513 1,119	1,332,100 2,255,446	2, 676, 167 4, 375, 382	2,940,554 3,862,761	5,323,277 8,196,300
Clothing industries	549	2, 933	549,092 5,783,967	1, 289, 732 15, 583, 750	902,540 10,299,958	2,136,200 26,459,112
'urniture and fixture industries	30	302	676,054 6,060,355	954.515	1, 141, 095 13, 137, 346	2,106,807 25,744,779
Paper and allied industries	76	1,557 1,369	4,879,798	11, 283, 101 2, 756, 206	8,737,968	25,744,779 11,589,230
Primary metal industries		,	•	3	3	3
portation equipment industries)	46	1,455	5,461,046	9, 232, 178	8,691,152	18,358,408
nery)	5	289	1,073,977	711,712	1,919,744	2,543,905
Fransportation equipment industries Electrical products industries Non-metalic mineral products industries	68	3,716	13,808,055	11,602,446	16,778,822	29, 134, 467
Non-metalic mineral products industries	33	3 485	1,447,885	2,453,076	3,149,832	6,010,637
Chemical and chemical products industries Miscellaneous manufacturing industries	13 33	260 174	925,388 545,188	2,777,906 399,629	3,061,585 965,255	6,151,087 1,431,412
All other groups	13	5, 241	25, 416, 588	77, 150, 363	52, 985, 077	135, 392, 745
Totals1	, 278	28,606	92, 280, 125	220, 292, 841	174, 808, 237	406, 182, 088
New Brunswick						
Food and beverage industries	282	7,065	17, 692, 691	84, 411, 165	44,631,185	130, 576, 576
Tobacco products industries Rubber industries	_	_	-	_	_	_
Leather industries	5	297	669,788	1,017,502	1,145,308	2,200,719
Textile industries	11	394	949,912	1,697,910	1,735,256	3,695,878
Clothing industries Wood industries	380	3,091	282,435 7,082,203	220,908 20,067,507	431,313 12,623,812	647,873 33,163,389
urniture and lixture industries	24	114 4,507	224,413 21,655,074	211,782	364, 283 54, 956, 814	636,923 112,191,670
Printing, publishing and allied industries	53	1,067	3,661,971	2,103,283	5,634,660	7,863,039
Primary metal industries			4		*	•
portation equipment industries)	30	955	3, 211, 174	5,183,960	5,248,065	10,800,590
nery)	10	2 514	9 076 045	10 927 676	9,795,679	21 032 279
Fransportation equipment industries	10	2,514	9,076,045	10,927,676	*	21,032,278
Von-metalic mineral products industries	30	571	1,921,625	1,963,034	4,106,218	6,985,991
Chemical and chemical products industries	8 31	132 373	524,362 1,222,699	3,385,633 1,344,735	1,479,895 1,942,086	4,803,211 3,165,491
Miscellaneous manufacturing industries	14	1,005	3,411,985	28, 152, 934	13, 940, 601	39,346,518
			P4 F00 000	200 112 000	150 002 122	0.00
Totals	901	22, 267	71,586,377	209, 113, 069	158,035,175	377, 110, 146

TABLE 1. Summary Statistics of Manufactures of each Province, classified by Industrial Groups, 1960 - Continued

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	num	ber		doll	ars	
Quebec				1		
Food and beverage industries Tobacco products industries Rubber industries Leather industries Parkile industries Rotting mills Clothing industries Wood industries Paper and allied industries Printing, publishing and allied industries Primary metal industries	2,656 22 33 334 404 209 1,513 2,164 726 195 987	50, 841 6, 879 5, 980 16, 141 36, 875 10, 889 55, 343 19, 052 12, 795 36, 342 20, 097 21, 433	173, 267, 206 28, 923, 978 20, 979, 387 41, 185, 065 119, 994, 533 28, 316, 995 140, 235, 320 48, 939, 436 39, 010, 076 173, 591, 824 86, 932, 662 106, 322, 888	822,603,064 101,345,090 29,952,956 62,284,215 244,153,355 58,075,308 264,420,332 113,103,127 57,213,031 352,780,491 82,319,495 571,405,495	447, 158, 967 87, 242, 416 34, 146, 442 65, 848, 756 198, 511, 039 48, 666, 349 232, 049, 026 83, 636, 727 63, 237, 171 373, 691, 060 165, 747, 755 235, 199, 340	1, 282, 969, 558 188, 347, 104 64, 379, 844 129, 347, 943 449, 330, 287 106, 784, 547 496, 585, 285 199, 655, 285 121, 158, 898 772, 468, 104 248, 928, 733 842, 504, 380
Metal fabricating industries (except machinery and transportation equipment industries)	709	26,843	112, 482, 817	173, 907, 316	184, 983, 306	364, 574, 944
Machinery industries (except electrical machinery) Transportation equipment industries Electrical products industries Non-metallic mineral products industries Petroleum and coal products industries Chemical and chemical products industries Miscellaneous manufacturing industries	89 118 114 407 15 368 781	8,029 31,703 24,879 12,362 3,130 20,074 14,262	34, 477, 689 146, 954, 986 110, 754, 298 49, 301, 021 18, 561, 425 92, 107, 137 47, 975, 731	50,024,297 153,470,832 157,183,693 68,192,418 284,308,350 167,397,084 67,032,878	59, 337, 376 203, 594, 351 180, 362, 041 101, 131, 985 88, 402, 576 234, 636, 662 85, 186, 349	111, 242, 121 361, 389, 448 335, 384, 466 181, 458, 526 383, 162, 090 414, 345, 449 152, 068, 909
Totals	11, 961	433, 949	1, 620, 314, 474	3, 881, 172, 827	3, 172, 769, 694	7, 206, 096, 003
Ontario						
Food and beverage industries	3, 132 17 47 218 391 132 639 1, 361 1, 460 1, 468 205 1, 459 324 280 355 549 26 562 1, 134	81, 637 2, 843 14, 184 12, 958 22, 030 8, 186 22, 427 16, 090 15, 988 36, 510 37, 098 53, 838 55, 495 31, 819 58, 805 50, 757 20, 295 5, 674 28, 440 28, 593	306, 526, 237 9, 405, 165 62, 925, 360 39, 400, 774 77, 797, 715 22, 086, 068 63, 890, 560 50, 406, 190 55, 521, 280 170, 914, 495 169, 176, 280 274, 415, 119 246, 875, 046 149, 490, 579 293, 854, 623 226, 028, 053 88, 538, 968 34, 706, 709 134, 579, 930 108, 537, 402 2, 585, 676, 553	1, 271, 921, 362 114, 997, 563 121, 802, 358 65, 889, 382 164, 078, 112 39, 097, 188 95, 512, 596 95, 789, 489 79, 553, 053 384, 495, 452 148, 205, 105 820, 015, 213 374, 465, 214 227, 780, 315 866, 630, 224 265, 979, 162 113, 111, 969 275, 683, 851 345, 171, 400 155, 878, 289 6, 126, 027, 277	766, 024, 720 30, 512, 523 132, 856, 133 59, 559, 124 153, 838, 796 38, 045, 936 101, 432, 188 84, 821, 974 87, 477, 826 353, 646, 246 302, 609, 162 659, 481, 675 440, 556, 961 242, 772, 654 568, 269, 146 416, 915, 276 190, 361, 239 76, 687, 939 424, 756, 001 189, 058, 382 5, 319, 683, 901	2, 060, 451, 197 146, 018, 787 256, 110, 756 126, 969, 658 322, 523, 392 77, 829, 96; 195, 707, 399 181, 941, 218 772, 010, 467 453, 400, 878 1, 524, 987, 637 825, 721, 964 481, 960, 914 1, 460, 910, 555 791, 200, 456 325, 535, 212 368, 861, 255 798, 813, 404 345, 799, 383
Manitoba	410	10 540	20 400 072	202 072 707	86, 447, 195	289, 133, 510
Food and beverage industries	410	10,540	39, 409, 973	202, 972, 797	4	209, 133, 310
Rubber industries Leather industries Textile industries Knitting mills Clothing industries Wood industries Furniture and fixture industries Paper and allied industries Printing, publishing and allied industries Primary metal industries	19 35 5 140 239 119 23 192	554 508 139 5,646 1,161 1,937 1,624 3,917 1,426	1, 401, 687 1, 537, 447 299, 198 14, 268, 844 3, 051, 709 6, 495, 677 6, 582, 123 15, 215, 257 6, 366, 260	3, 324, 593 6, 629, 739 843, 533 27, 021, 708 4, 965, 308 12, 060, 074 17, 889, 680 12, 119, 850 12, 557, 813	2, 0 29, 738 3, 250, 528 707, 894 21, 715, 673 4, 720, 297 9, 808, 647 19, 655, 927 26, 828, 575 12, 093, 555	5, 508, 796 9, 898, 044 1, 490, 712 48, 891, 766 9, 858, 888 22, 073, 06; 39, 262, 344 39, 267, 032 25, 902, 148
Metal fabricating industries (except machinery and transportation equipment industries)	122	3, 513	14, 867, 447	23, 065, 821	33,849,850	58, 385, 484
Machinery industries (except electrical machinery) Transportation equipment industries Electrical products industries Non-metallic mineral products industries Petroleum and coal products industries Chemical and chemical products industries Miscellaneous manufacturing industries	30 34 18 46 7 35	1, 143 5, 395 806 1, 535 698 649 1, 148	4, 443, 957 21, 408, 616 2, 871, 730 6, 271, 996 3, 394, 336 2, 420, 250 3, 957, 304	8, 470, 723 25, 828, 586 6, 033, 908 8, 837, 484 34, 522, 960 7, 758, 316 4, 680, 538	8, 378, 284 27, 577, 518 5, 918, 447 15, 093, 288 13, 627, 321 7, 946, 243 6, 785, 712	16, 874, 30 54, 109, 55 12, 215, 81 26, 451, 60 51, 992, 69 15, 643, 08 11, 498, 50
Totals	1, 592	42, 339	154, 263, 811	419, 583, 431	306, 434, 692	738, 457, 34

TABLE 1. Summary Statistics of Manufactures of each Province, classified by Industrial Groups, 1969 - Continued

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	num	ber		dollar	s	L
Saskatchewan						
Food and haveness industria-						
Food and beverage industries	254	5,860	22, 127, 442	115,001,667	50, 807, 128	168, 227, 111
Rubber industries Leather industries	_	_	-	-	-	_
Textile industries	9	90	241,882	776,604	346,809	1,124,536
Clothing industries	10	266	778, 440	1,383,904	1, 286, 972	2, 391, 166
Wood industries Furniture and fixture industries	266 35	978 111	2, 624, 546 290, 730	5,097,887 298,514	4, 544, 466 399, 388	2,391,166 9,706,861 704,930
Paper and allied industries Printing, publishing and allied industries	136	200 1,588	677, 298 5, 649, 163	1,635,266	1, 392, 760 9, 790, 399	3, 143, 236 13, 356, 385
Primary metal industries	5	730	5, 649, 163 3, 425, 084	3, 425, 622 18, 563, 133	14,017,389	34, 449, 898
and transportation equipment industries)	48	750	2, 859, 645	7, 574, 256	4, 633, 531	12,330,937
Machinery industries (except electrical ma- chinery	13	150	596, 208	974, 288	1,003,146	1,981,292
Transportation equipment industries	4 6	4 71	220, 649	145, 921	1, 148, 642	1, 305, 999
Non-metallic mineral products industries Petroleum and coal products industries	35 11	631	2,549,228 6,190,940 412,274 1,120,737	3,657,196	6,778,705	11, 168, 793
Chemical and chemical products industries	10	92	412, 274	52, 964, 424 1, 664, 524 2, 241, 642	19, 124, 951 1, 535,823 2, 966, 826	76, 519, 283 ³ 3, 213, 217
Miscellaneous manufacturing industries4	42	290	1, 120, 737	2, 241, 642	2, 966, 826	5, 149, 617
Totals	887	12,918	49, 764, 266	215, 404, 848	119, 776, 935	344, 773, 261
Alberta						
Tood and beverage industries	492	12, 267	46, 584, 220	260, 242, 015	104, 674, 592	366,920,665
Rubber industriesLeather industries	4 - 9	4 - 86	4	4 -	4 -	4
Textile industries	20	431	253, 589 1, 769, 622	522, 209 4, 259, 378	537, 873 3, 159, 870	1,080,404 7,504,780
Knitting mills	20	27 1,145	56,774 3,051,229	79,560 6,612,463	92,687 5,433,054	174, 112 11, 767, 298
Wood industries Furniture and fixture industries	484 93	3, 695 896	10, 638, 131 2, 900, 872	24, 614, 555 4, 566, 736	92,687 5,433,054 18,874,782 4,691,905	11, 767, 298 44, 196, 502 9, 270, 149 41, 153, 060
Paper and allied industries Printing, publishing and allied industries	22 194	1, 198 2, 794	5,762,860 10,922,412	18,869,657	20, 383, 882	41, 153, 060
Primary metal industries	21	1.357	6,893,421	8,466,937 32,294,771	21,670,888 18,678,606	30, 386, 482 50, 326, 496
and transportation equipment industries)	159	3,805	16,081,385	27, 754, 171	28, 282, 311	55,983,238
Machinery industries (except electrical ma- chinery)	16	355	1,371,670	2,583,909	2,450,500	5,055,897
Transportation equipment industries Electrical products industries	36 12	2, 985 227	12, 436, 798 802, 041	11, 505, 155 3, 292, 645	14, 582, 689 3, 307, 661	26, 183, 431 5, 906, 067
Non-metallic mineral products industries	97	3, 478	14, 022, 865	20, 602, 176	33, 215, 695	55, 995, 076
Petroleum and coal products industries Chemical and chemical products industries	23 40	1,742 1,903	10, 036, 991 9, 808, 028 2, 946, 620	75, 094, 743 20, 961, 129 2, 586, 707	31, 545, 978 35, 324, 672	110, 646, 024 ² 58, 443, 795
Miscellaneous manufacturing industries4	107	766	2,946,620	2, 586, 707	6, 289, 899	8, 664, 324
Totals	1, 848	39, 157	156, 339, 528	524, 908, 916	353, 197, 544	889, 657, 800
British Columbia						
Food and beverage industries	710	16, 448	61, 887, 246	245, 695, 327	134,073,390	393,071,309
Pobacco products industries	7	58	285, 330	_		_
Rubber industries	16	253	714, 016	215, 789 954, 165	406, 881 1, 053, 277	646, 808 2, 113, 857
Textile industries	40	769 293	2, 473, 600 831, 556	4, 997, 338 1, 217, 816	4,008,861 1,826,623	8, 997, 357 3, 051, 181
Clothing industries	55 1, 507	1,409 37,387	3, 961, 287 153, 111, 269	1, 217, 816 6, 044, 496 314, 814, 524	1,826,623 5,797,322 232,519,162	11, 775, 395 555, 852, 549
rurniture and fixture industries	232	2,017 10,409	7, 414, 325	11, 319, 454	11, 194, 183	22, 822, 239 294, 084, 206
Paper and allied industries Printing, publishing and allied industries	317	5, 160	56, 512, 387 23, 901, 225	115, 690, 482 14, 568, 814	164, 503, 202 41, 609, 772	56, 638, 572
Primary metal industries	44	6,652	35, 257, 245	112, 366, 682	73, 895, 464	196, 729, 510
and transportation equipment industries) Machinery industries (except electrical ma-	314	5,482	26, 238, 803	40,524,086	43, 393, 764	84, 813, 358
chinery)	52	1,622	7,632,899 19,262,825	8, 299, 539 15, 048, 959	13, 390, 495 28, 731, 777	22,038,189 44,401,344
Transportation equipment industries	125 39	4,039 970	4, 538, 757	8 424 855	9, 958, 029	18,071,620
Von-metallic mineral products industries	119 10	1,925 1,437	8, 256, 503 8, 678, 588	10, 225, 697 79, 764, 195	16, 894, 162 23, 442, 139	29, 275, 859 108, 761, 839 ²
Chemical and chemical products industries Miscellaneous manufacturing industries	101 257	1, 437 2, 605 1, 572	8,678,588 12,041,062 6,369,728	10, 225, 697 79, 764, 195 31, 277, 145 5, 549, 610	23, 442, 139 37, 369, 653 9, 764, 244	68,023,742 15,748,696
manufacturing mustifes	201					
Totals	3,995	100, 507	439, 368, 651	1, 026, 998, 973	853, 836, 400	1, 936, 917, 630

TABLE 1. Summary Statistics of Manufactures of each Province, classified by Industrial Groups, 1960 - Concluded

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	
	num	ber	dollars				
Yukon and Northwest Territories Food and beverage industries	5 4 5	20 31 73	55,511 101,866 458,126 615,503	80,617 164,475 1,199,689 1,444,781	147, 955 221, 705 956, 127 1, 325, 787	240,999 396,330 2,433,889 3,071,218	

The degree of concentration of manufacturing in large units is illustrated in table 2. In Ontario 33.9 p.c. of the people engaged in manufacturing were employed in establishments having 500 or more employees as compared with 31.5 p.c. for Canada as a whole, Ontario assumed the premier position in 1956, displacing Newfoundland which formerly ranked first. Quebec ranked second with 33.4 p.c., followed by Newfoundland with 32.5 p.c., New Brunswick 29.5 p.c., Nova Scotia 29.1 p.c., British Columbia 25,3 p.c., Manitoba 19.2 p.c. and Alberta 17.6 p.c. There were no plants in either Prince Edward Island or Saskatchewan employing 500 or more persons.

TABLE 2. Concentration of Manufacturing Production in Each Province, 1960

Province	Number of establishments employing 500 or more persons	Percentage of total number of establishments in province	Provincial percentage of number of employees accounted for by these establishments	
Newfoundland Prince Edward Island Prince Edward Island Nova Scotia Nova Scotia Quebec Quebec Ontario Manitoba Saskatchewan Alberta Pritish Columbia Pritish Columbia Yukon and Northwest Territories Canada Canada	2 6 7 128 161 9 - 11 26 -	0.3 0.5 0.8 1.1 1.2 0.6 0.6 0.7 -	32.5 29.1 29.5 33.4 33.9 19.2 	

TABLE 3, Principal Statistics of Manufacturing Industries of Canada and each Province, classified by Number of Employees per Establishment, 1960

Employees per Establishment, 1000									
Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments			
Canada: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 " 1,499 " 1,500 and over	num 14, 469 9, 866 6, 698 2, 319 1, 266 785 238 57 55 929 36, 682	32, 235 81, 890 180, 256 161, 365 176, 163 238, 109 165, 129 70, 922 171, 670 16, 890	76, 492, 351 249, 922, 575 608, 005, 102 567, 419, 414 658, 112, 029 977, 138, 869 747, 234, 962 338, 398, 444 873, 954, 817 315, 549 110, 173, 281	7, 399, 767 21, 251, 300 43, 688, 248 42, 764, 770 67, 843, 461 109, 979, 118 113, 877, 380 58, 336, 709 95, 962, 421 44, 133 561, 147, 307	217, 146, 346 616, 707, 324 1, 422, 176, 477 1, 438, 653, 211 1, 675, 876, 620 2, 504, 352, 081 1, 848, 842, 210 991, 625, 172 1, 988, 476, 521 1, 214, 858 1, 214, 858	369, 401, 059 1, 105, 912, 515 2, 624, 828, 180 2, 638, 357, 219 3, 147, 643, 031 4, 697, 740, 452 3, 558, 260, 028 1, 705, 390, 147 3, 897, 969, 423 1, 955, 029 23, 747, 457, 083			
Newfoundland: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 200 and over Not classifiable ¹ Head offices ² Totals	255 44 48 26 12 6 244 —	392 388 1,268 1,840 1,453 4,114 - 34 9,489	527,659 973,839 3,318,477 5,305,006 3,032,967 19,298,599 76,110 170,531	58, 446 146, 144 326, 437 510, 333 433, 679 5, 259, 670 10, 797 	1,184,163 1,999,347 6,335,093 11,720,527 5,009,572 32,357,401 297,694	2,233,781 4,344,295 12,563,797 24,196,973 11,421,447 74,054,817 469,468			

¹ Publication of these figures is authorized by the firms concerned.
² The figures for 1959 and 1960 are not comparable with those of 1957 and 1958 because of a change in method of valuing the products of the Petroleum Refining Industry, It is estimated that if the revised basis of valuation had been used for 1957 and 1958 the value of shipments in those years would have been about \$300,000,000 lower.
² Confidential, Included with "All other groups".
² Confidential, Included with "Miscellaneous manufacturing industries.
² Includes "Petroleum Refining", Printing and Publishing" and "Manufacturers of Industrial Chemicals".

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and each Province, classified by Number of Employees per Establishment. 1960 - Continued

Employees per Establishment, 1960 - Continued									
Province and group	Estab- lish ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments			
	num	ber		dol	lars	4			
Prince Edward Island: Under 5 employees 5 to 14 employees 15 " 49 " 50 and over Not classifiable ¹	105 34 27 5 13	217 276 716 597	395,947 620,028 1,446,618 1,787,334 4,990	62, 942 89, 463 138, 612 188, 322 663	2,081,963 2,768,994 7,000,826 9,347,867 20,410	2, 973, 409 4, 251, 750 9, 980, 535 12, 988, 560 37, 107			
Totals	184	1,806	4, 254, 917	480,002	21, 220, 060	30,231,361			
Nova Scotia: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 and over Not classifiable ¹ Head offices ²	555 344 188 57 20 15 6 93	1, 174 2, 933 4, 892 3, 839 2, 887 4, 500 8, 327 54	1,979,994 6,549,334 12,204,061 9,963,053 9,549,317 16,077,030 35,735,223 31,355 190,758	214,267 863,285 1,448,523 1,007,057 982,081 3,724,027 4,138,162 4,060	4,711,113 19,129,673 37,240,182 26,810,216 16,111,870 69,025,462 47,148,842 115,483	8,374,264 32,579,277 62,487,611 47,357,013 34,869,882 112,757,849 107,566,401 189,791			
Totals	1,278	28,606	92, 280, 125	12,381,462	220, 292, 841	406, 182, 088			
New Brunswick: Under 5 employees 5 to 14 employees 15 " 49 "" 50 " 99 " 100 " 199 " 200 " 499 " 500 and over Not classifiable 1 Head offices 2 Totals	411 233 123 37 24 13 7 53	845 1,965 3,298 2,504 3,314 3,608 6,578 ————————————————————————————————————	1,496,643 4,471,401 8,314,513 7,237,669 9,118,928 13,266,563 26,563,334 19,580 1,097,746 71,586,377	188,303 582,100 995,696 858,438 1,250,278 2,787,082 2,742 - 15,257,480	4, 357, 418 10, 695, 444 26, 646, 985 24, 809, 435 22, 538, 811 53, 905, 282 66, 082, 564 77, 130 209, 113, 069	7, 372, 199 19, 993, 324 43, 807, 286 39, 226, 351 44, 709, 692 81, 148, 816 140, 632, 219 120, 259 377, 110, 146			
Quebec: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 500 " 499 " 500 " 999 " 1,000 "1,499 " 1,500 and over Not classifiable ¹ Head offices ² Totals	4,923 3,167 2,224 766 391 248 87 7 22 19 114	11, 137 26, 105 60, 643 52, 917 54, 008 76, 398 61, 200 27, 088 56, 709 7, 744 433, 949	25,307,110 74,077,226 181,359,431 163,368,931 179,128,524 288,781,053 264,242,848 126,178,392 267,868,025 46,064 49,956,870	2, 456, 346 5, 658, 764 10, 742, 672 11, 073, 025 17, 170, 225 37, 321, 459 47, 569, 293 29, 188, 313 18, 183, 705 5, 990 179, 369, 792	97, 445, 189 216, 092, 079 412,878,597 407, 151,849 448,443,980 757,044,146 765,313,844 445,367,163 331,228,217 207,763	150,379,321 363,636,195 763,770,655 789,968,865 852,101,880 1,425,402,479 1,406,717,516 700,571,908 803,227,367 319,969			
100025	12,002	200,020	2,000,022,212	210,000,100	0,001,100,000	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Ontario: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 "1,499 " 1,500 and over Not classifiable ¹ Head offices ²	4,702 3,606 2,727 1,021 612 401 106 25 30 157	10, 637 30, 071 73, 565 71, 880 86, 390 120, 466 72, 948 31, 252 100, 125 6, 133	28,005,562 98,743,525 268,719,567 268,836,015 341,987,548 509,117,391 345,640,942 152,848,641 530,294,070 41,427,212	2, 621, 255 8, 047, 065 19, 174, 245 19, 857, 830 31, 786, 867 40, 768, 152 48, 465, 924 20, 677, 785 60, 859, 600 8, 121	70, 478, 154 217, 990, 906 618, 365, 799 683, 786, 901 791, 308, 729 1, 097, 366, 006 719, 473, 459 436, 001, 589 1, 490, 981, 553 275, 082	125,619,299 408,004,084 1,158,606,523 1,264,764,404 1,530,138,552 2,189,350,697 1,476,518,860 780,120,573 2,752,136,316 416,344			
Totals	13,387	603,467	2,585,676,553	252, 266, 844	6, 126, 027, 277	11,685,675,652			
Manitoba: Under 5 employees 5 to 14 employees 15 " 49 " " 50 " 99 " " 100 " 199 " " 200 " 499 " " 500 " 999 " 1,000 and over Not classifiable 1 Head offices 1	675 399 275 117 52 22 6 3 43	1, 496 3, 313 7, 645 8, 220 7, 159 6, 061 3, 948 4, 201 —	3,470,565 9,850,057 25,316,483 28,814,615 26,316,165 24,213,051 17,498,327 17,491,593 14,040 1,338,915	333,893 898,229 1,655,022 1,681,310 3,917,685 4,207,308 330,963 734,275 1,960	7, 146, 650 29, 708, 962 58, 358, 590 63, 543, 417 91, 113, 715 55, 242, 465 54, 413, 121 60, 012, 131 44, 380	13, 452, 246 50,885, 798 107, 143, 822 121, 235, 281 155, 839, 330 112, 831, 163 92, 245, 940 84, 752, 184 71, 582			
Totals	1,592	42, 339	154, 263, 811	14,260,645	419,583,431	738, 457, 346			

TABLE 3. Principal Statistics of Manufacturing Industries of Canada and each Province, classified by Number of Employees per Establishment, 1960 - Concluded

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments	
	num	bers	dollars				
Saskatchewan: Under 5 employees	381	808	1.877.245	193, 174	3, 119, 189	6,800,649	
5 to 14 employees	258 106 29 20 8 85	2,097 2,717 1,897 2,508 2,745	6,518,756 9,513,248 7,399,036 10,222,350 13,306,791 25,040 901,800	759, 995 1, 003, 741 703, 368 1, 745, 914 5, 308, 771 3, 560	18,600,312 32,395,453 16,198,799 47,309,747 97,718,698 62,650	32, 886, 741 52, 757, 847 34, 075, 405 74, 591, 680 143, 544, 465 116, 474	
Totals	887	12,918	49, 764, 266	9,718,523	215, 404, 848	344,773,261	
Alberta: Under 5 employees	784 582 261 76 44 24 11 66	1,731 4,748 6,925 5,304 5,840 7,381 6,874	4, 282, 902 14, 975, 704 24, 991, 972 21, 751, 750 23, 203, 684 35, 324, 179 29, 574, 215 20, 230 2, 214, 892	467,312 1,303,660 2,357,189 2,080,567 3,949,567 7,365,397 1,131,566 2,980	10,214,544 40,683,137 62,842,172 70,762,556 89,056,149 146,779,593 104,520,200 50,565	18,310,705 70,317,758 116,043,465 125,262,559 153,911,369 249,283,558 156,433,347 95,019	
Totals	1,848	39, 157	156, 339, 528	18,658,238	524, 908, 916	889,657,800	
British Columbia: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 200 " 499 " 200 " 499 " 1,000 "1,499 " 1,500 and over Not classifiable ¹ Head offices ²	1,670 1,195 718 187 89 49 19 4 3 61	3,776 9,963 18,570 12,782 12,372 15,681 13,135 5,204 7,050 1,974	9,071,636 33,022,555 72,756,616 54,098,147 55,029,805 73,639,288 63,917,361 26,647,004 38,289,622 22,265 12,874,557	784, 337 2, 892, 184 5, 840, 111 4, 766, 355 6, 509, 034 8, 196, 422 10, 468, 953 2, 120, 033 10, 176, 888 3, 260	16, 200, 037 58, 931, 191 160, 017, 805 130, 952, 161 164, 188, 612 217, 018, 184 137, 825, 774 34, 862, 639 106, 938, 869 63, 701	33,279,723 118,681,246 297,420,441 237,617,807 288,339,288 368,748,761 294,666,197 81,906,267 216,138,884 119,016	
Totals	3,995	100,507	439, 368, 651	51,757,577	1,026,998,973	1,936,917,630	
Yukon and Northwest Territories: Under 5 employees	8 6	22 102	77,088 538,415	19, 492 171, 746	207, 926 1, 236, 855	605, 463 2, 465, 755	
Totals	14	124	615, 503	191, 238	1,444,781	3,071,218	

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and each Province, classified according to the Selling Value of Factory Shipments per Establishment, 1960

					,			
Province and size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments		
	nun	nber		dollars				
Canada: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 '' 49,999 50,000 '' 199,999 200,000 '' 499,999 200,000 '' 499,999 1,000,000 '' 4,999,999 1,000,000 '' 4,999,999 1,000,000 and over Head offices '	6,171 5,493 5,044 4,937 4,511 4,651 2,377 2,723 775	7, 084 15, 046 25, 026 41, 223 61, 448 125, 046 128, 429 354, 829 519, 608 16, 890	10,827,770 33,323,064 62,848,092 115,103,691 188,035,499 410,019,097 437,485,155 1,348,644,140 2,490,707,604 110,173,281	1,004,970 2,622,776 4,299,176 7,965,933 12,727,288 25,929,585 26,564,835 100,073,922 379,958,812	13,140,133 40,199,994 80,951,436 167,533,601 321,043,277 760,915,238 875,705,431 2,987,641,820 7,457,939,890	29,655,193 92,105,405 181,631,031 354,936,319 641,077,012 1,478,893,940 1,683,585,980 5,771,254,154 13,514,318,049		
Totals	36,682	1, 294, 629	5, 207, 167, 393	561, 147, 307	12,705,070,820	23, 747, 457, 083		
Newfoundland: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 200,000 " 499,999 500,000 " 99,999 500,000 " 99,999 1,000,000 and over Head offices "	441 43 30 26 24 30 21 20	232 124 168 301 482 1,198 1,625 5,325 34	290, 282 228, 192 315, 028 690, 712 1, 161, 594 2, 847, 922 3, 796, 177 23, 202, 750 170, 531	34,040 19,826 36,382 81,263 97,361 281,776 312,828 5,942,030	784,540 281,558 542,436 754,379 1,871,052 4,706,506 8,937,699 41,025,62	1, 342, 932 670, 655 1, 088, 446 1, 887, 343 3, 532, 739 10, 043, 412 15, 656, 831 95, 062, 220		
Totals	635	9,489	32, 703, 188	6,805,506	58,903,797	129, 284, 578		

¹ Under this heading are included only those head offices that are not located at the plant.

Consists of the industry "Publishing (only) of Periodicals".
 Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and each Province, classified according to the Selling Value of Factory Shipments per Establishment, 1960 — Continued

	the Sering value of Factory Snipments per Establishment, 1960 - Continued									
Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments				
Prince Edward Island: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 '' 49,999 50,000 '' 99,999 100,000 '' 199,999 200,000 '' 499,999 500,000 '' 999,999 1,000,000 and over	59 26 32 19 19 18 7	55 63 124 158 265 379 390 372	76,750 95,182 254,487 345,384 541,777 649,643 936,500 1,355,194	8,321 10,939 33,254 38,406 75,552 74,748 65,966 172,816	149,987 202,641 773,465 781,896 1,514,562 4,338,422 3,452,009 10,007,078	298,605 394,479 1,249,565 1,440,056 2,700,850 5,557,387 5,354,791				
Totals	184	1,806	4, 254, 917	480,002	21, 220, 060	30, 231, 361				
Nova Scotia: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 '' 49,999 100,000 '' 199,999 200,000 '' 499,999 500,000 '' 499,999 1,000,000 '' 4,999,999 5,000,000 and over Head offices¹	352 222 166 168 132 125 49 56 8	354 612 924 1, 547 1, 930 3, 755 2, 472 8, 270 8, 688 54	409, 360 1, 126, 546 1, 739, 241 3, 191, 508 4, 419, 028 9, 238, 365 6, 573, 133 27, 832, 746 37, 559, 440 190, 758	40,678 113,258 155,297 345,141 503,667 1,058,095 779,485 2,254,838 7,131,003	798,045 1,823,576 3,106,742 6,594,225 10,991,726 21,565,152 19,477,699 57,611,680 98,323,996	1,500,907 3,655,133 5,973,497 12,043,795 19,012,868 39,043,825 33,116,583 113,917,679 177,917,801				
Totals	1,278	28, 606	92, 280, 125	12, 381, 462	220, 292, 841	406, 182, 088				
New Brunswick: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 99,999 200,000 " 499,999 200,000 " 499,999 500,000 " 499,999 5,000,000 and over Head offices	258 133 116 128 97 67 44 47 11	281 376 565 1,150 1,338 1,926 2,583 6,766 7,127	334, 154 671, 276 1,178, 102 2, 500, 079 3, 036, 450 4, 892, 528 6, 810, 864 20, 120, 356 30, 944, 822 1, 097, 746	32,667 62,407 118,273 269,864 401,277 449,686 731,635 2,742,352 10,449,319	572,531 1,144,626 2,077,276 4,655,352 7,601,382 11,837,107 16,909,404 54,577,689 109,737,702	1,130,290 2,195,640 4,159,904 9,054,880 13,635,503 20,512,023 30,559,639 95,117,947 200,744,320				
Totals	901	22, 267	71, 586, 377	15, 257, 480	209, 113, 069	377, 110, 146				
Quebec: Under \$10,000	1,697 1,897 1,736 1,723 1,567 1,570 781 757 233	2, 196 5, 308 9, 048 15, 311 22, 160 44, 302 46, 655 108, 089 173, 136 7, 744	3,325,645 10,858,537 20,671,804 38,122,979 61,380,685 130,458,688 141,520,742 371,245,163 792,773,361 49,956,870	294, 813 861, 659 1, 297, 417 2, 253, 783 3, 523, 962 6, 898, 937 7, 827, 989 27, 994, 837 128, 416, 395	4,016,882 14,735,200 29,108,394 61,749,313 117,271,345 264,482,526 292,990,709 840,517,918 2,256,300,540	9,019,781 32,065,822 62,638,064 124,112,209 221,750,444 499,206,177 552,491,593 1,611,978,159 4,092,833,754				
Totals	11, 961	433, 949	1, 620, 314, 474	179, 369, 792	3, 881, 172, 827	7, 206, 096, 003				
Ontario: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 '' 49,999 50,000 '' 99,999 100,000 '' 199,999 200,000 '' 499,999 500,000 '' 999,999 1,000,000 '' 4,999,999 5,000,000 and over Head offices'	1,727 1,764 1,760 1,810 1,703 1,894 1,010 1,337 382	2, 101 4, 790 8, 355 14, 124 22, 837 50, 999 53, 941 177, 041 263, 146 6, 133	3,572,728 11,657,617 23,128,825 43,656,840 75,177,453 179,333,778 198,632,152 707,345,319 1,301,744,629 41,427,212	316,655 847,285 1,485,050 2,981,664 4,894,689 10,818,034 11,412,714 46,831,551 172,679,202	3,672,201 12,390,449 27,414,334 59,170,807 117,025,094 296,625,432 354,857,290 1,460,999,169 3,793,871,501	8,806,361 29,813,198 63,833,640 129,905,793 243,345,593 604,788,041 718,707,534 2,893,918,896 6,992,556,596				
Totals	13, 387	603, 467	2, 585, 676, 553	252, 266, 844	6, 126, 027, 277	11, 685, 675, 652				
Manitoba: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 50,000 " 999,999 500,000 " 999,999 5,000,000 and over Head offices!	330 250 220 169 169 196 120 115	400 661 1,100 1,506 2,286 5,343 6,158 13,080 11,509 296	621, 187 1, 502, 668 2, 907, 817 4, 393, 859 7, 155, 124 16, 559, 359 21, 131, 497 48, 440, 192 50, 213, 193 1, 338, 915	63,525 121,651 199,785 273,811 495,102 995,567 1,111,008 3,157,877 7,842,319	675,580 1,699,681 3,245,647 5,019,401 12,302,435 32,581,503 44,492,136 123,823,882 195,743,166	1,607,341 4,081,734 7,872,870 11,884,384 24,566,208 61,913,122 84,516,259 226,475,826 315,539,602				
Totals	1,592	42, 339	154, 263, 811	14, 260, 645	419, 583, 431	738, 457, 346				

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 4. Principal Statistics of the Manufacturing Industries of Canada and each Province, classified according to the Selling Value of Factory Shipments per Establishment, 1960 - Concluded

Province and group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	numb	er		doll	ars	
Saskatchewan: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 500,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 49,999 5,000,000 and over Head offices*	262 135 122 104 77 90 45 41	233 391 572 839 919 1,667 1,748 3,349 3,054	316,775 908,908 1,588,057 2,503,213 3,081,331 5,938,108 6,231,264 13,486,345 14,807,965 901,800	40,563 77,020 137,879 188,228 278,618 655,749 590,744 1,735,178 6,014,544	379,264 846,920 1,696,549 3,232,278 4,854,475 16,819,049 18,417,468 44,644,090 124,514,755	915,809 2,273,648 4,264,630 7,530,152 10,728,459 29,200,032 30,291,177 80,438,677 179,130,677
Totals	887	12, 918	49, 764, 266	9,718,523	215,404,848	344, 773, 261
Alberta: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 5,000,000 " 499,999 1,000,000 " 4,999,999 5,000,000 and over Head offices¹	372 285 269 259 229 197 86 112 39	399 762 1,240 1,980 2,821 4,035 3,285 11,570 12,711 354	613,656 1,815,053 3,403,533 6,103,115 9,310,555 14,670,438 12,507,552 45,787,855 59,912,879 2,214,892	69,326 161,550 239,683 484,243 695,150 1,253,639 878,537 4,686,790 10,189,320	686,036 1,896,541 4,125,188 8,780,555 15,735,492 32,047,474 33,078,826 120,293,880 308,264,924	1,629,088 4,710,251 9,637,804 18,790,343 31,914,135 59,754,762 58,523,986 224,610,969 480,086,462
Totals	1,848	39, 157	156, 339, 528	18, 658, 238	524, 908, 916	889, 657, 800
British Columbia; Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 200,000 " 499,999 500,000 " 99,999 1,000,000 " 4,999,999 5,000,000 and over Head offices¹	671 736 591 528 492 462 214 236 65	830 1,954 2,923 4,291 6,392 11,421 9,572 24,232 36,918 1,974	1,265,240 4,450,563 7,628,935 13,552,880 22,694,664 45,331,152 39,345,274 107,306,247 184,919,139 12,874,557	103,913 346,181 592,019 1,040,043 1,756,410 3,428,054 2,853,929 9,517,566 32,119,462	1,398,455 5,159,302 8,837,732 16,738,878 31,804,290 75,678,612 83,092,191 268,548,927 535,740,586	3,391,418 12,203,705 20,830,138 38,102,749 69,669,242 148,233,179 154,367,587 491,199,860 998,919,75
Totals	3,995	100,507	439, 368, 651	51,757,577	1,026,998,973	1, 936, 917, 630
Yukon and Northwest Territories: Under \$25,000 \$ 25,000 to \$99,999 100,000 and over	4 5 5	8 23 93	10,515 75,385 529,603	1,469 13,624 176,145	26,112 80,190 1,338,479	53,801 267,088 2,750,329
Totals	14	124	615,503	191,238	1,444,781	3,071,218

¹ Under this heading are included only those head offices that are not located at the plant.

SECTION 2. THE MANUFACTURES OF THE ATLANTIC PROVINCES

The Atlantic Provinces are of economic importance in a number of fields, such as pulp and paper, fish processing, sawmills, petroleum products and primary iron and steel. In Newfoundland manufacturing production is dominated by the forest and fisheries resources. Pulp and paper was the most important industry in 1960 with shipments valued at \$67,986,000, followed by fish processing with \$19,677,000. These two industries accounted for 68 per cent of the total production of the Province, In Prince Edward Island agriculture and fishing resources make butter and cheese, slaughtering and meat packing, and fish processing the leading industries. Nova Scotia is renowned for its coal mines and its fisheries as well as extensive forests and agricultural lands and is favoured with easy access by sea to the highgrade iron-ore supply of Newfoundland. On these resources are based the leading manufactures of primary iron and steel, fish processing, pulp and paper, shipbuilding and sawmills. In addition, an important petroleum refinery, plants for the production of railroad rolling stock, knitted goods, confectionery, cotton yam and cloth, miscellaneous metal fabricating, fabricated structural metals and aircraft and parts add to the diversification of the Province. The forests of New Brunswick give a leading place to its pulp and paper and sawmilling industries. Other manufacturing and processing activities are based on fish and agricultural

resources, Railroad rolling stock and shipbuilding and repairs are also well established. In addition there is also a large petroleum and sugar refinery.

Nova Scotia and New Brunswick, despite the lack of large rivers, have valuable sources of hydraulic power, a considerable portion of which has been developed. Tentative estimates give Newfoundland a potential of 1,600,000 h.p. at ordinary minimum flow, while in Labrador, the Hamilton River is outstanding as a potential source of power. Turbine installation at the end of 1960 totalled 385,925 h.p. in Newfoundland, 1,600 in Prince Edward Island, 184,538 in Nova Scotia and 154,258 in New Brunswick. Compared with Quebec, Ontario and British Columbia, the installed power in the Atlantic Provinces, is very small, amounting to 826,381 h.p. This compares with a total of 1,535,490 h.p. in the Prairie Provinces and 26,372,444 h.p. in the whole of Canada.

Manufacturing establishments reporting in 1960 numbered 2,998 for the Atlantic Provinces as a whole. These plants furnished employment to 62,168 persons who were paid \$200,824,607 in salaries and wages. They also shipped goods with a selling value at the factory of \$942,808,173 and spent \$509,529,767 for materials, while the value added by manufacture totalled \$406,184,041.

Considering the Atlantic Provinces as an economic unit, pulp and paper was the leading industry in 1960 with shipments valued at \$196,803,000. The fish products industry with shipments of \$95,637,000 was in third place, iron and steel mills with \$66,461,000 was fourth and sawmills with \$40,958,000 ranked fifth. Petroleum refining ranked second and sugar refining sixth. Figures for these two industries, however, cannot be published. The six leading industries accounted for 56 per cent of the total value of factory shipments of the Atlantic region. Other leading industries with shipments of \$10 to \$30 million and in order of importance were; slaughtering and meat packing plants, bakeries, pasteurizing plants, shipbuilding and repairs, railroad rolling stock, miscellaneous food manufacturers, sash, door and planing mills (except hardwood flooring), printing and publishing, breweries, butter and cheese, feed manufacturers and soft drink manufacturers. Smaller industries with shipments of \$5 to \$10 million were as follows: confectionery, fruit and vegetable canners and preservers, miscellaneous metal fabricating, knitting mills, other than hosiery, cotton yarn and cloth, mixed fertilizer, fabricated structural metals, aircraft and parts, manufacture of major appliances (electric and non-electric) and printing and book-

For the Atlantic Provinces as a whole there was an increase of 9.9 p.c. in the value of factory shipments and 3.2 p.c. in the number of persons employed in 1960 as compared with the previous year. Most of the industries producing consumer goods reported increases in the value of factory shipments in 1960 as compared with 1959. Of the industries in this category with shipments of over \$10 million, petroleum refining reported the highest increase of 46.2 p.c. This was followed by sugar refining with 20.5 p.c., breweries 10.2 p.c., pulp and paper mills 9.1 p.c., fish products 9.0 p.c., soft drink manufacturers 8.3 p.c., printing and publishing 6.2 p.c., slaughtering and meat packing 5.6 p.c., bakeries 4.9 p.c., feed manufacturers 1.8 p.c. and miscellaneous food manufacturers 1.2 p.c. Three industries in this category had lower shipments.

Sash, door and planing mills reported a drop of 8.6 p.c. and butter and cheese and pasteurizing plants, as one industry, 1.1 p.c. According to the published figures, shipments of pasteurizing plants increased 137 p.c. while the shipments of butter and cheese factories declined 48 p.c. This result is due to the implementation of the revised Standard Industrial Classification which necessitated the switching of a number of establishments from butter and cheese to pasteurizing plants. Taken together these two industries reported a drop of 1.1 p.c. in value of shipments in 1960 as compared with the previous year. The trend in the value of shipments by the industries producing durable goods was mixed. Two industries in the \$10 million and over classification reported higher shipments with two industries reporting declines. Iron and steel mills and ship building and repairs reported increased shipments of 19.2 and 12.2 p.c. respectively while railroad rolling stock and sawmills (including shingle mills) suffered declines of 16.4 p.c. and 1.1 p.c.

In the Atlantic region the program of industrial development has been more selective than in some of the other provinces. Fish processing, new sawmills, increased pulp-making capacity and the manufacture of non-metallic building materials like cement and gypsum products have accounted for well over half of the industrial growth. There are, however, a few outstanding exceptions. Two sizeable defence plants have been established in Nova Scotia, one to repair and overhaul naval aircraft and the other to build and repair radar and related electronic equipment. Considerable development has taken place in Newfoundland. Besides plants for the manufacture of cement and gypsum wallboard and plaster, factories for producing boots and shoes, birch veneer, leather goods, industrial machinery and a leather tannery were established, thus broadening the industrial base of the province. With these exceptions, most of the developments in the Atlantic Provinces have been either small and scattered or confined to the modernization and expansion of manufacturing facilities that were already established at the close of World War II.

Principal Statistics of the Atlantic Provinces, 1960

Province	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments		
	nun	nber	thousands of dollars					
Newfoundland	635	9, 489	32, 703	58,904	64,650	129, 285		
Prince Edward Island	184	1,806	4, 255	21, 220	8,691	30, 231		
Nova Scotia	1, 278	28,606	92, 280	220, 293	174,808	406, 182		
New Brunswick	901	22, 267	71, 586	209, 113	158,035	377, 110		
Totals	2,998	62,168	200,824	509, 530	406, 184	942, 808		

In spite of the rapid development in the Atlantic Provinces since 1949 manufacturing production did not keep pace with the development in the more industrialized provinces of Ontario. Quebec and British Columbia. This is indicated by the drop in the Atlantic Provinces' share of the Canadian total from 4.52 in 1949 to 3.74 in 1959. In number of persons employed there was a decrease of 5.6 p.c. for the Atlantic Provinces as compared with an increase of 11.3 p.c. for Canada as a whole. For salaries and wages paid the increase was 56.2 p.c. as compared with 95.7 p.c. for Canada, and in selling value of factory shipments the increase was 51.6 p.c. for the Atlantic Provinces and 86.8 p.c. for Canada as a whole. The increased employment since 1949 reported by Newfoundland and Prince Edward Island was more than offset by the major declines of 12.0 p.c. in New Brunswick and 4.1 p.c. in Nova Scotia, resulting in a net decrease of 5.6 p.c. for the Atlantic Region as compared with an increase of 11.3 p.c. for Canada as a whole.

The Atlantic Provinces fared somewhat better than Canada as a whole during the 1957-60 period. For the Atlantic Provinces

the decline in employment was 3.4 p.c. while for Canada the decline was 4.5 p.c. The value of shipments, however, was higher for both the Atlantic Provinces as well as for Canada. the increases being 8.5 p.c. and 7.5 p.c. respectively. According to the table below the decline in manufacturing employment between 1957 and 1960 was 3.4 p.c. for the Atlantic Provinces and 4.5 p.c. for Canada as a whole. Although employment was lower, value of shipments was higher by 8.5 p.c., for the Atlantic Provinces as compared with an increase of 7.5 p.c. for Canada, Prince Edward Island and New Brunswick reported higher employment for the period with increases of 12.0 p.c. and 6.2 p.c. respectively, while Newfoundland and Nova Scotia reported declines of 9.2 p.c. and 8.7 p.c. As regards value of shipments, all provinces with the exception of Nova Scotia reported substantial gains, ranging from 23.4 p.c. for Prince Edward Island to 9.9 p.c. for Newfoundland. Nova Scotia was the only province to report lower shipments which dropped 2.1 p.c.

Variation in Employment and Factory Shipments, 1959 Compared with 1949 and 1960 Compared with 1957

	1959	compared with	1949	. 1960 compared with 1957			
Province	Employees	Salaries and wages	Selling value of factory shipments	Employees	Salaries and wages	Selling value of factory shipments	
			cent				
Newfoundland	+ 5.5 ¹	+ 71.81	+ 54.31	- 9.2	- 0.2	+ 9.9	
Prince Fdward Island	+ 1.3	+ 80.7	+ 52.7	+ 12.0	+ 32.5	+ 23.4	
Nova Scotia	- 4.1	+ 60.3	+ 61.0	- 8.7	+ 2.3	- 2.1	
New Brunswick	- 12.0	+ 44.4	+ 40.6	+ 6.2	+ 18.4	+ 21.0	
Atlantic Provinces	- 5.6	+ 56.2	+ 51.6	- 3.4	+ 7.6	+ 8.5	
Canada	+ 11.3	+ 95.7	+ 86.8	- 4.5	+ 8.3	+ 7.5	

¹ Exclusive of fish processing.

TABLE 5. Principal Statistics of the Leading Industries of Newfoundland, 1960

Basis: Revised Standard Industrial Classification, adopted in 1960.

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments			
		number			d ollars					
1	Pulp and paper mills ²	2	3,082	16,858,626	28,773,938	34, 503, 473	67, 985, 619			
2	Fish products industry	38	2,738	5, 019, 178	12,634,559	7, 132, 601	19, 676, 901			
3	Breweries	3	196	796, 528	1, 100, 376	4, 133, 589	5,314,484			
4	Bakeries	14	296	852, 483	1,760,734	1,688,186	3, 544, 578			
5	Soft drink manufactures	11	167	519,824	992, 577	2,380,408	3, 431, 324			
6	Printing and publishing	6	238	826, 869	268, 448	1,778,084	2, 094, 425			
7	Sash and door and planing mills (excluding hard- wood flooring)	26	210	657, 048	1, 260, 514	797, 049	2, 084, 823			
8	Sawmills (including shingle mills)	428	266	332,854	1, 155, 140	763, 907	1, 964, 8563			
9	Biscuit manufacturers	3	141	363, 576	608, 284	715, 459	1,335,630			
10	Other leading industries4	12	904	3, 243, 740	6,445,175	6,239,374	13,280,861			
	Totals, leading industries	543	8, 238	29, 470, 726	54, 999, 745	60, 132, 130	120, 713, 501			
	Totals, all industries	635	9, 489	32, 703, 188	58, 903, 797	64, 650, 269	129, 284, 578			

TABLE 6. Principal Statistics of the Leading Industries of Prince Edward Island, 1960

Basis: Revised Standard Industrial Classification, adopted in 1960

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
		number			dol	lars	
1	Butter and cheese plants	11	144	404,611	4,505,396	1, 113, 709	5,743,455
2	Fish products industry	18	433	640,967	3, 228, 512	905,755	4, 155, 252
3	Pasteurizing plants	13	81	227,098	793, 170	465, 118	1,308,072
4	Feed manufacturers	18	61	140, 507	887, 483	223, 911	1, 127, 592
5	Sash and door and planing mills (excluding hard- wood flooring)	5	62	180, 993	414, 515	335, 599	750, 286
6	Sawmills (including shingle mills)	57	86	98, 586	341,388	217, 311	571, 103 ²
7	Poultry processors	3	54	85, 512	352, 123	214,740	568,622
8	Soft drink manufacturers	6	35	88, 245	189,040	319,973	527, 345
9	Other leading industries ³	. 11	559	1,633,921	9,740,577	3,830,693	13, 586, 675
1.0	Totals, leading industries	142	1, 515	3, 500, 440	20, 452, 204	7, 626, 809	28, 338, 402
11	Totals, all industries	184	1, 806	4, 254, 917	21, 220, 060	8, 690, 360	30, 231, 361

See footnote 1, Table 7, Part I.
 Publication of these figures was authorized by the firms ,concerned.
 Reported on a production basis.
 Includes: Cement manufacturers, Gypsum products manufacturers, Ice cream manufacturers, Miscellaneous foods, N.e.s, Paint and varnish manufacturers, Railroad rolling stock industry, Ready-Mix concrete manufacturers, and Slaughtering and meat packing plants.

See footnote 1, Table 7, Part I.
 Reported on a production basis.
 Includes: Cotton and jute bag industry, Fruit and vegetable canners and preservers, Manufacturers of mixed fertilizers, Printing and publishing, and Slaughtering and meat packing plants.

TABLE 7. Principal Statistics of the Leading Industries of Nova Scotia, 1960

Basis: Revised Standard Industrial Classification, adopted in 1960

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments			
		numl	oer		dollars					
1 2 3 3 4 4 5 6 6 7 7 7 8 8 9 9 100 111 122 133 144 155 166 177 18 8 19 20 211 22 23 3	Iron and steel mills Fish products industry Pulp and paper mills Sawmills (including shingle mills Pasteurizing plants Shipbuilding and repair Bakeries Printing and publishing Confectionery manufacturers Knitting mills (other than hosiery Sash and door and planning mills (excluding hardwood flooring) Soft drink manufacturers Fruit and vegetable canners and preservers Miscellaneous food manufacturers Feed manufacturers Slaughtering and meat packing plants Butter and cheese plants Poultry processors Miscellaneous machinery and equipment manufacturers Miscellaneous wood products, n.e.s. (including wood preservation) Ready-mix concrete manufacturers Printing and bookbinding Other leading industries	3 144 3 462 36 16 177 277 27 27 18 11 16 5 5 12 13 5 5	4, 364 3, 973 1, 242 2, 052 982 2, 029 987 776 972 595 286 586 6 224 119 112 167 130 289 95 73 310 3, 988	21, 240, 322 8, 877, 595 5, 200, 226 3, 442, 137 3, 086, 492 7, 683, 674 2, 507, 136 3, 550, 390 1, 766, 542 1, 994, 963 1, 624, 615 906, 988 1, 198, 177 583, 628 305, 392 325, 947 410, 534 245, 334 1, 073, 977 326, 341 244, 276 913, 152 15, 984, 817	30, 732, 630 33, 863, 869 8, 826, 389 9, 454, 889 10, 104, 568 5, 629, 293 4, 861, 712 1, 606, 831 4, 031, 226 3, 967, 926 4, 277, 437 1, 810, 736 3, 552, 304 3, 038, 931, 383 2, 379, 666 6, 227, 042 2, 456, 095 711, 712 1, 340, 864 1, 414, 766 663, 882 64, 704, 367	32, 925, 542 16, 508, 184 11, 119, 946 6, 200, 329 5, 399, 196 8, 665, 131 4, 632, 529 6, 591, 825 3, 368, 631 3, 402, 979 2, 502, 023 3, 623, 410 1, 954, 539 2, 308, 115 1, 313, 899 643, 543 647, 455 351, 707 1, 919, 744 999, 299 555, 952 1, 319, 846 40, 914, 264	66, 461, 271 50, 939, 104 21, 201, 770 15, 984, 836° 15, 934, 970 14, 604, 235 8, 299, 638 7, 521, 383 7, 299, 032 6, 965, 120 5, 599, 551 5, 578, 510 5, 460, 641 5, 304, 229 3, 0.28, 529 2, 939, 525 2, 830, 610 2, 543, 905 2, 393, 683 2, 0.26, 826 2, 006, 200 108, 372, 875			
	Totals, leading industries	1,005	25, 273	83, 492, 625	205, 598, 232	157, 868, 088	373, 219, 768			
	Totals, all industries	1,278	28, 606	92, 280, 125	220, 292, 841	174, 808, 237	406, 182, 088			

TABLE 8. Principal Statistics of the Leading Industries of New Brunswick, 1960 Basis Revised Standard Industrial Classification, adopted in 1960

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
		number			dol	lars	
1 2 3 4 5 6 7 8 9	Pulp and paper mills. Sawmills (including shingle mills) Fish products industry Slaughtering and meat packing plants Miscellaneous food manufacturers Bakeries Shipbuilding and repair Feed manufacturers Sash and door and planning mills (excluding	8 294 90 5 12 56 3 21	4, 179 2, 184 2, 634 397 379 955 1, 474 205	20, 725, 618 4, 770, 887 4, 461, 650 1, 675, 948 816, 965 2, 636, 793 4, 619, 846 574, 352	45, 466, 314 13, 288, 376 14, 460, 471 9, 269, 571 7, 538, 163 5, 409, 201 2, 654, 598 6, 545, 314	53, 346, 327 8, 814, 033 6, 178, 184 3, 347, 257 3, 935, 753 5, 460, 299 5, 401, 922 1, 159, 300	107, 614, 677 22, 436, 886 ² 20, 866, 044 12, 591, 355 11, 584, 824 11, 273, 115 8, 218, 864 7, 770, 861
10 11	hardwood flooring) Butter and cheese plants Pasteurizing plants Manufacturers of major appliances (electric and	62 20 29	635 248 408	1, 593, 395 682, 820 1, 160, 409	5, 128, 562 5, 333, 391 4, 481, 447	2,510,716 1,700,995 2,365,696	7,720,986 7,227,093 7,068,120
13 14 15 16 17 18 19 20 21 22	non-electric). Printing and publishing Manufacturers of mixed fertilizers Soft drink manufacturers Metal stamping pressing and coating industry Biscuit manufacturers Confectionery manufacturers Shoe factories Printing and bookbinding Machine shops Other leading industries Total, leading industries	3 19 3 24 4 3 3 3 26 16 15	584 684 108 228 100 211 283 287 342 245 3, 269	1,878,468 2,370,573 436,969 690,478 287,627 508,781 641,939 649,888 1,184,508 864,906 12,259,795	2, 198, 006 1, 112, 691 2, 260, 089 1, 279, 300 2, 167, 180 1, 217, 018 1, 050, 667 990, 502 693, 858 516, 924 62, 835, 999	3,754,267 4,044,063 1,000,635 2,542,719 545,630 1,063,259 1,153,542 1,117,087 1,374,849 1,559,579 35,069,958	6, 147, 212 5, 233, 859 4, 184, 051 3, 982, 590 2, 718, 279 2, 309, 801 2, 216, 064 2, 148, 378 2, 116, 462 2, 020, 410 96, 211, 480
24	Totals, all industries	901	22, 267	71, 586, 377	209, 113, 069	158, 035, 175	377, 110, 146

¹ See footnote, 1, Table 7, Part 1.

² Reported on a production basis.

³ Includes: Aircraft and parts manufacturers, Boiler and plate works, Breweries, Communications equipment manufacturers, Corrugated box manufacturers, Cotton yarn and cloth mills, Fabricated structural metal industry, Miscellaneous metal fabricating industries, Petroleum refining, Railroad rolling stock industry, and Wire and wire products manufacturers.

¹ See footnote 1, Table 7, Part 1.

² Reported on a production basis.

³ Includes: Breweries, Broom, brush and mop industry, Cement manufacturers, Cotton yarn and cloth mills, Fruit and vegetable canners and preservers, Miscellaneous metal fabricating industries, Petroleum refining, Railroad rolling stock industry, and Sugar refineries.

SECTION 3. THE MANUFACTURES OF QUEBEC

Quebec with about 30 p.c. of Canada's total selling value of factory shipments ranks as the second largest industrial province in Canada. The manufacturing industries of Quebec in 1960 shipped goods with a record selling value at the factory of \$7,206,096,003 and represents an increase of 3.8 p.c. over 1959. The increase in the number of employees was 0,6 p.c. and in salaries and wages 4.6 p.c. The upturn in manufacturing production in Quebec during 1960, although only moderate, was nevertheless more pronounced than for Ontario, British Columbia and for Canada as a whole. This is indicated by an increase of 0.6 p.c. in the number of employees in Quebec as compared with a decline of 1.0 p.c. for Canada as a whole. The same trend was established for value of factory shipments. Quebec reported an increase of 3.8 p.c. and Canada as a whole 1.8 p.c. Inspite of the increased shipments of 3.8 p.c. employment was up only 0.6 p.c. This result conforms to the trend in recent years for employment to increase at a lower rate than volume of production. With the increase in automation and technological improvements this trend will in all probability continue at an accelerated pace. Indication of this trend is the increase between 1949 and 1959 for Canada as a whole of 48.9 p.c. in the volume of production as compared with an increase of only 11.3 p.c. in the number of persons employed. Since indexes of volume of production are not available by provinces no direct comparison can be made for Quebec, There is no doubt, however, that the volume of production in Quebec in 1957 was the highest on record, since the number of persons employed that year totalling 448,617 was also the highest on record. With the decline of 3.6 p.c. in the number of employees in 1960 as compared with 1957 it is almost certain that the volume of production also declined during this period, although not to the same extent.

The recovery from the minor depression of 1954 which began in 1955 continued at an accelerated pace in 1956. This expansion in manufacturing production continued until the fall of 1957 when another downturn began. In spite of the slowing down in production, the manufacturing industries of Quebec managed to record an increase of 2.0 p.c. in selling value of factory shipments between 1956 and 1958, bringing the total to \$6,748,747,620 to a record level. In employment, however, there was a loss between 1956 and 1958 of 3.8 p.c. as compared with a loss of 4.7 p.c. for Canada as a whole. Some improvement took place during 1959 and 1960, with an increase of 6.8 p.c. in the selling value of factory shipments and 1.3 p.c. in the number of persons employed. The non-durable or consumer goods industries which constituted 63.7 p.c. of the total manufacturing production of the Province in 1960, reported an increase of 1.2 p.c. in the number of persons employed since 1958 while the durable goods industries which were more severely affected by the minor recession managed to regain the 1958 level of employment in 1960.

On the basis of employment provided, the non-durable or consumer goods industries in 1960 contributed 276,853 or 63.7 p.c. of the total manufacturing employment in Quebec, while the durable goods industries contributed the balance of 157,096 or 36.3 p.c. of the total. The clothing industries constituted the leading group in the non-durable sector with 55,343 employees. They were followed by foods and beverages with 50,841, textiles 36,875, paper and allied industries 36,342, printing, publishing and alied industries 20,097, chemicals and chemical products 20,074, leather industries 16,141, miscellaneous manufacturing industries 14,262, knitting mills 10,889 tobacco products 6,879, rubber industries 5,980 and petroleum and coal products 3,130. In the durable goods sector the industries producing transportation equipment with 31,703 employees ranked as the major group. This was followed by metal fabricating (except machinery and transportation equipment) with 26,843, electrical products industries 24,879, primary metals 21,433, wood industries 19,052, furniture and fixtures 12,795, non-metallic mineral products 12,362 and machinery industries (except electrical machinery) 8,029.

The change in the pattern of manufacturing employment in Quebec between 1957 and 1960 is illustrated in the table following. During this period which compares 1960 with 1957, the year of record employment in Quebec, there was a loss of employment in the durable goods industries of 6.9 p.c. while for the industries producing non-durable goods the loss was only 1.6 p.c., making a net loss of 3.6 p.c. for manufacturing

as a whole. As a result of this change in the pattern of employment the non-durable goods industries increased their share of the total manufacturing employment from 62.4 p.c. in 1957 to 63.7 p.c. in 1960, while the durable goods industries declined in importance from 37.6 to 36.3 p.c. Only four industrial groups in the non-durable goods sector reported higher employment in 1960 as compared with 1957. These were: miscellaneous manufacturing industries 5.5 p.c., knitting mills 5.0 p.c., foods and beverages 2.6 p.c. and printing, publishing and allied industries 1.5 p.c. The other eight groups of this sector reported lower employment. The greatest percentage loss in employment was reported by tobacco products with a drop of 14.2 p.c. This was followed by petroleum and coal products with 8.7 p.c., chemicals and chemical products 7.1 p.c., rubber industries 7.0 p.c., textiles 4.4 p.c., leather industries 3.5 p.c., paper and allied industries 2.2 p.c, and clothing 1.3 p.c. In the durable goods sector the trend of employment was also mixed, three industries reporting higher employment and five groups reporting declines. Furniture and fixtures with 5.5 p.c., nonmetallic mineral products with 3.4 p.c. and primary metals with 1.6 p.c. were the three groups reporting increases. Of the groups reporting lower employment the machinery industries (except electrical machinery) with a loss of 16.6 p.c. sufferred the greatest decline. This was followed closely by the transportation equipment industries with a loss of 16.5 p.c., wood industries 8.4 p.c., electrical products 7.0 p.c. and metal fabricating (except machinery and transportation equipment industries) 5.4 p.c.

Quebec has developed its \$7.2 billion manufacturing complex with such leading industries as pulp and paper, smelting and refining, tobacco products, cotton yarn and cloth, synthetic textiles, men's and women's clothing, knitting mills, shoe factories, aircraft and parts, railroad rolling stock, shipbuilding and repairs, electric wire and cable, plastics and synthetic resins, pharmaceuticals and medicines. In common with the rest of Canada, Quebec experienced a great industrial expansion following the second World War. Nor was this expansion confined to the existing industrial areas, but spread to many towns and villages in the accessible areas of the province.

Quebec's leading industry historically is pulp and paper with an output of approximately \$601 millions is 1960. Quebec is a principal world centre for the production of newsprint with 54 pulp and paper plants concentrated in the Trois Rivieres and Shawinigan Falls districts as well as along the Saguenay, Ottawa and St. Lawrence rivers. For the first time in the history of Quebec, smelting and refining with shipments valued at \$648 million displaced pulp and paper as the leading industry. However, from the point of view of number or employees and salaries and wages paid, pulp and paper is still the leading industry by a very wide margin. The production of non-ferrous metals has expanded considerably during the past decade. The output of aluminum, of which Quebec is the chief producer, has made impressive strides during the past years and reached a record total of 762,012 tons in 1960 for Canada as whole. Quebec with its new furniture factories, its new titanium smelter and expanded aluminum-making facilities is also challenging Ontario's long established lead in a number of the wood and non-ferrous metal industries.

There are several important factors which contributed to the great industrial development of the Province. To begin with, the geographic situation of the Province is extremely favourable, with an excellent large harbour 800 miles inland where seagoing vessels of heavy tonnage can dock. There is also an extensive highway system linking the small rural areas to the big industrial centres. Other significant factors include abundant forest resources, water power, minerals, agricultural lands and, of even more importance, an industrious and stable population.

Quebec is the richest of the provinces in available water power resources, its present hydro installations of 12,435,245 h.p. representing about 47 p.c. of the total for Canada. The province continued to expand its hydro-electric power facilities during 1960 with a net capacity increase of 1,120,000 h.p. Most of the developed sites are owned by private corporations but the provincial government through its Quebec Hydro-Electric Commission is the major producer in the hydro-electric field. The largest single hydro-electric station in Canada, the Commission's Beauharnois development on the St. Lawrence

River about 30 miles upstream from Montreal, has an installed capacity of 2,087,300 h.p. Its total capacity will be increased to 2,235,000 h.p. in 1961 when the final section of the development is brought into operation. The Commission's Bersimis I plant on the Bersimis River was completed in 1958 raising the total plant capacity to 1,200,000 h.p. Bersimis II, completed in 1960 provides an additional 855,000 h.p. In 1959 construction was begun by the Commission for the installation of 840,000 h.p. in 14 units on the Ottawa River at Carillon, some 50 miles from Montreal. The Aluminum Company of Canada has the second largest installed capacity in the province with five developments on the Saguenay and Peribonca Rivers totalling 3,000,000 h.p.

The Shawinigan Water and Power Company, which supplies power for the area between Montreal and Quebec and southward across the St. Lawrence River, has seven plants on the St. Maurice River with a total capacity of 1,753,500 h.p. - the seventh, at Rapide Beaumont, was completed in 1958-and about ten smaller developments on other rivers. Quebec thus excels in both the size of its hydro-electric installations as well as in the magnitude of horse power developed.

Two of the most important industrial developments in Quebec today are the Ungava iron ore project and the new titanium industry. With the exploitation of the Ungava iron deposits on which it is believed, the future of the great steel industries of this Continent rests, Quebec's industrial base is being expanded to the point where the future industrial development of this Province is well assured.

Quebec's industries are not as diversified as those of Ontario, although a number have an output approximately half or more of the total Canadian production. The manufacture of pulp and paper occupies the premier position. Fifty years ago this industry had hardly come into existence in the Province and in the mid-1920's the annual gross value of production had not yet reached \$1,000,000. By the end of 1960 it accounted for about 8 p.c. of the gross value of Quebec's manufactures and for about 38 p.c. of the Canadian total for this industry. Other large industries in which Quebec predominates, with their percentage of the Canadian total are: tobacco products 84.3, cotton yarm and cloth 73.1, women's clothing 69.6, men's clothing 55.1, aircraft and parts 54.5, synthetic textiles 49.0, communications equipment 47.8, railroad rolling stock 46.0 and smelting and refining 43.3.

Quebec also predominates in a number of the medium-sized industries, i.e. industries with shipments of \$100,000 to \$200,000. In this category are: shoe factories with 56.6 p.c., shipbuilding and repairs 49.6, knitting mills 48.5, electric wire and cable 47.6, plastics and synthetic resins 45.9, pharmaceuticals and medicines 45.5 and soft drinks 41.2.

A large number of the small industries with shipments under \$100,000 are also concentrated in the Province of Quebec. Women's clothing contractors with 94.4 per cent of the Canadian total is leading in this category. This was followed by candles with 92.8 p.c., men's clothing contractors 91.2, thread mills 85.7, narrow fabrics 82.3, children's clothing 80.4, process cheese 77.5, textile dueing and finishing 76.5, boot and shoe findings 75.0, rubber footwear 74.0, miscellaneous clothing 73.1, embroidery, hemstitching and pleating 71.5 fabric gloves 71.0, fur dressing and dyeing 70.4, linoleum and coated fabrics 70.3, explosives and ammunition 67.6, umbrellas 67.5, refractories 64.5, hosiery mills 63.2, fur goods 59.3, leather gloves 58.6, miscellaneous vehicles 58.3, publishing only 58.1, foundation garments 57.7, woodenware 57.1, buttons. buckles and fasteners 56.8, wool cloth 55.9, asbestos products 55.8, miscellaneous textiles 55.4, wood handles and turning 52.3, artificial flowers and feathers 52.1 hats and caps 51.3. electric lamps and lamp shades 51.0, and paper bags 50.8.

Manufacturing establishments reporting in 1960 numbered 11,961. These plants furnished employment to 433,949 persons who received \$1,620,314,474 in salaries and wages. They also shipped goods that had a selling value at the factory of \$7,206,096,003 and paid out \$3,881,172,827 for materials. The value added by manufacture totalled \$3,172,769,694.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

The calculate the value of production, it is necessary to adjust the value of shipments for the difference in the opening and closing inventories of finished goods and goods in process. As the census of industry schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. For 1954 and 1955 value of production figures were obtained by adjusting shipments for inventory change of finished goods only while for 1956 and subsequent years value of production figures were obtained by adjusting for inventory changes in both finished goods as well as in goods in process. The figures for value added for 1956 and subsequent years are. therefore, comparable with 1951 and earlier years.

Pattern of Manufacturing Employment in Quebec, 1960 and 1957

	Emplo	yees	Percentage	of the total	Percentage
Industrial group	1960	1957	1960	1957	variation, 1957-60
Non-durable goods: Food and beverage ⁴ Tobacco products Rubber products Leather products Textiles Knitting mills Clothing Paper and allied products Printing, publishing and allied industries. Petroleum and coal products Miscellaneous industries ² Miscellaneous industries ³	50,841 5,879 5,980 16,141 36,875 10,889 55,343 36,342 20,097 3,130 20,074 14,262	48,503 8,018 6,430 16,722 38,587 10,367 56,098 37,145 19,809 3,428 21,617 13,165	11.5 1.6 1.4 3.7 8.5 2.5 12,8 8.4 4.7 0.7 4.7	10.8 1.8 1.4 3.7 8.6 2.3 12.5 8.3 4.4 0.8 4.8	+ 2.6 ¹ - 14.2 - 7.0 - 3.5 - 4.4 + 5.0 - 1.3 - 2.2 + 1.5 - 8.7 - 7.1 + 5.5 ²
Total ³ Durable goods: Wood industries products Furniture and fixtures Primary metal industries Metal fabricating industries Machinery (except electrical machinery) Transportation equipment Electrical products Non-metallic mineral products Total	275, 853 19, 052 12, 795 21, 433 26, 843 8, 029 31, 703 24, 879 12, 362 157, 096	279,889 20,804 12,133 21,095 28,387 9,632 37,983 26,737 11,957 168,728	63. 7 4. 4 3. 0 4. 9 6. 2 1. 9 7. 3 5. 7 2. 9	62.4 4.6 2.7 4.7 6.3 2.1 8.5 6.0 2.7	- 1.63 - 8.4 + 5.5 + 1.6 - 5.4 - 16.6 - 16.5 - 7.0 + 3.4 - 6.9
Grand total	433, 949	448, 617	100.0	100.0	- 3.6

Exclusive of "Poultry processors".
 Exclusive of "Dental laboratories".
 Exclusive of "Poultry processors" and Dental laboratories".

TABLE 9. Principal Statistics of the Forty Leading Industries of Quebec, 1960

Basic, Basicad Standard Industrial Classification Adopted in 1960

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
		nun	ber		dol	lars	
1 2 3	Smelting and refining Pulp and paper mills Petroleum refining	10 54 6	11,936 26,882 2,799	63,136,982 139,622,200 16,760,398	444,351,332 249,979,281 275,069,147	172,790,283 305,912,529 82,835,193	647,540,895 ² 601,216,411 367,956,705 ²
5 6	Slaughtering and meat packing plants Women's clothing factories Tobacco products manufacturers.	63 409 16 26	5,737 17,298 6,686 14,830	23,638,381 47,963,560 28,361,119 75,264,488	186,204,804 101,495,940 97,654,844 56,398,812	45,074,287 86,064,328 86,255,281 109,421,209	231,550,856 186,905,090 183,612,393 167,979,483
8 9	Aircraft and parts manufacturers Cotton yarn and cloth mills Men's clothing factories Miscellaneous food manufacturers	21 286 90	12,155 14,356 3,161	39,177,217 38,181,946 11,560,415	90, 395, 991 83, 040, 587 71, 285, 271	59,978,534 60,674,918 47,445,258	153.164.147 144,001,971 119,719,836
11 12 13	Butter and cheese plants	429 26 35	2,489 12,214 9,779	6,330,444 57,924,520 32,784,062	103,162,453 31,586,360 54,777,038	13,147,313 87,721,770 53,057,248	118,571,124 112,605,500 108,813,217
14 15 16	Bakeries Manufacturers of industrial chemicals Miscellaneous machinery and equipment man-	888 36	11,235 4,330	32,354,909 22,491,414	50, 151, 856 39, 788, 065	52,977,937 55,492,282	106,156,938 104,615,829
17 18	ufacturers Railroad rolling stock industry Feed manufacturers	66 6 450	7,252 8,706 2,557	31,312,705 36,213,699 7,916,829	47, 126, 085 59, 901, 565 74, 290, 901	53,552,244 35,955,264 18,539,433	102,574,169 97,649,681 94,140,882
19 20 21	Metal stamping, pressing and coating industry Pasteurizing plants Shoe factories	127 178 146	5,667 4,174 11,668	23,797,545 15,242,353 29,315,291	43,692,933 62,116,349 43,783,114	47,900,383 28,611,209 46,139,898 34,967,340	93,165,352 92,412,998 90,872,820 87,984,948
22 23 24 25	Sawmills (including shingle mills)	1,311 84 8	8,028 7,352 2,803	18,209,327 34,325,659 14,185,992	51,579,717 26,582,505 45,187,079	60,721,037	87,750,065 76,515,046
26 27	cines Shipbuilding and repair Household furniture industry	90 12 520	3,636 6,687 7,671	14,866,363 30,006,545 22,474,788	20, 956, 539 24, 222, 461 33, 167, 209	52,632,040 48,405,293 36,910,126	74,960,290 73,488,121 70,151,942
28 29 30	Soft drink manufacturers Iron and steel mills Printing and bookbinding	177 14 585	2,784 3,826 6,996	10,419,836 17,826,323 26,413,860	18,947,554 35,396,008 24,491,704	47,960,190 28,416,658 42,632,216	68,189,893 67,684,132 67,427,680
31 32 33	Breweries Fabricated structural metal industry Knitting mills (other than hosiery) Distilleries	5 17 92 7	2,427 4,973 5,647 1,797	13,482,918 23,403,253 14,487,163 8,367,280	16,165,935 30,114,418 37,768,080 17,150,370	48,766,314 30,214,173 23,064,470 40,356,945	65,209,757 60,908,289 60,528,369 59,874,344
34 35 36	Children's clothing industry	142	6,491	14,616,099	33,876,617 28,445,887	25, 113, 368	59,354,688
37	resins Sash and door and planing mills (excluding hardwood flooring	660	5,141	14,350,438	34,084,130	23,289,284	58,394,375
38 39 40	Wire and wire products manufacturers	49 187 108	3,721 2,433 2,814	16,146,857 10,346,179 7,135,845	32,685,939 18,197,188 31,536,423	23,521,247 36,362,250 18,474,179	57,259,779 54,563,133 49,666,071
	Totals, leading industries	7, 445	283,310	1, 102, 026, 865	2,826,808,491	2,230,615,873	5, 184, 184, 251
	Totals, all industries	11, 961	433, 949	1,620,314,474	3,881,172,827	3, 172, 769, 694	7, 206, 096, 003

¹ See footnote 1, Table 7, Part I.
² Reported on a production basis.

SECTION 4. THE MANUFACTURES OF ONTARIO

The downturn in manufacturing production which began in the fall of 1957 continued throughout 1958. Ontario being the largest producer of durable goods which are more affected by changes in the business cycle was consequently affected more than any other major industrial province. The recovery in production which occurred in 1959 was, therefore, more pronounced in Ontario than in most of the other provinces. In 1960 the level of manufacturing production in Ontario was slightly lower than for the rest of Canada which operated at a level closely approaching that of the previous year. The value of factory shipments in Ontario in 1960 was 0.3 p.c. higher as against an increase of 1.8 p.c. for Canada as a whole, while the number of persons employed was 2.2 p.c. lower in Ontario and 1.0 p.c. for Canada. Selling value of factory shipments in 1960 at \$11,685,675,652 and salaries and wages paid at \$2,585,676,553 were the highest on record while the value added by manufacture at \$5,319,683,901 was only slightly below the record value in 1959. In spite of increased shipments the number of employees was 1.0 p.c. lower than in 1959 and 6.1 p.c. lower than in 1957 which was the record year for employment. This is in line with the trend in recent years for same volume of output to be produced with fewer employees. With the increase in automation and technological improvements this trend will in all probability continue at an accelerated pace. Indicative of this trend is the increase since 1949 for Canada as a whole of 49.3 p.c. in the volume of production as compared with an increase of only 10.5 p.c. in the number of persons employed. Since indexes of the volume of production are not available by provinces no direct comparison can be made for Ontario, As Ontario produces about half of the Canada total there is no doubt that the trend in Ontario was similar to that for Canada as a whole.

Ontario, which is now recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Here, the proximity of raw materials, cheap hydro-electric power, and a strategic location in relation to export markets, not only on this continent but overseas, have been the decisive factors in the development of Ontario to its present industrial position. Most of the manufactures of the province and most of its population are located in Southern Ontario. This area has the inestimable avantage of bordering on the St. Lawrence-Great Lakes waterway system which gives access westward to the heart of the continent and eastward to the shipping routes of the world, and which is also the source of most of Ontario's hydro-electricity, Many new industries areas are being created as new industries and branch plants of established industries are increasingly being located in the smaller towns.

As Ontario is a major producer of durable goods, such as transportation equipment, primary iron and steel, electrical industrial equipment, electrical and non-electrical major appliances and miscellaneous machinery and equipment, it therefore experiences wider fluctuations in manufacturing production than provinces producing non-durable or consumer goods. As a result, the small downturn of 1954 was more keenly felt by Ontario manufacturers. Factory shipments in that year were 3.9 p.c. lower as compared with a drop of 1.3 p.c. for Canada as a whole, while in employment the drop in Ontario was 5.6 p.c. while for Canada it was 4.5 p.c. Conversely, with the improvement during the following three years Ontario in 1957 reported an increase of 29.8 p.c. in factory shipments and 7.6 p.c. in employment as compared with 1954. This compares with increases of 26.4 p.c. and 7.2 p.c. for Canada as a whole.

The minor depression of 1958 followed the usual pattern. In comparing employment and shipments with 1957 it is found that in employment Ontario manufacturers suffered a loss of 5.8 p.c. as compared with 5.1 p.c. for Canada as a whole, while in the case of shipments the declines were 1.9 and 0.1 p.c. respectively. As already mentioned, the upturn in 1959 followed the expected trend. The increase in employment and value of shipments were both higher in Ontario than for Canada as a whole.

Although the level of production for Canada as a whole in 1960 was about the same as in the previous year, Ontario manufacturers had a lower share of the total. This was due to a decline of 2.1 p.c. in the output of durable goods in which Ontario predominates,

On the basis of employment provided, the durable goods industries in 1960 contributed 302,887 or 50.2 p.c. of the manufacturing employment in Ontario, while the non-durable or consumer goods industries contributed the balance of 300,580 or 49.8 p.c. Transportation equipment was the leading group in the durable goods sector with 58,605 employees in 1960. This was followed by metal fabricating (except machinery and transportation equipment) with 55,495, primary metal industries 53,838, electrical products 50,757, machinery (except electrical) 31,819, non-metallic mineral products 20,295, wood industries 16,090 and furniture and fixtures industries 15,988. In the non-durable goods sector, the industries producing foods and beverages with 81,637 employees comprised the major group. This was followed by printing, publishing and allied industries with 37,098, paper and allied industries 36,510. miscellaneous manufacturing industries 28,593, chemicals and chemical products 28,440, clothing 22,427, textiles 22,030, rubber goods 14,184, leather industries 12,958, knitting mills 8,186 and petroleum and coal products 5,674.

As mentioned previously, manufacturing employment in Ontario declined by 2.2 p.c. in 1960 as compared with the previous year. Producers of non-durable goods reported a drop of 0.5 p.c. while producers of durable goods in which Ontario predominates reported a drop of 3.7 p.c. All of the groups in the durable goods sector, with the exception of metal fabricating (except machinery and transportation equipment) and furniture and fixtures industries, reported declines in employment. The largest decline of 6.7 p.c. was reported by the machinery (except electrical) group, followed by 6.5 p.c. for transportation equipment, 6.4 p.c. for wood industries, 6.2 p.c. for electrical products, 3.3 p.c. for non-metallic mineral products and 1.5 p.c. for primary metals. Employment in the metal fabricating and furniture groups were only fractionally higher. In the non-durable goods sector the trend was mixed, with four groups reporting higher employment and eight groups lower employment. Of the four groups reporting higher employment chemicals and chemical products had an increase of 4.7 p.c., miscellaneous manufacturing industries 3.3 p.c., printing, publishing and allied industries 1.6 p.c. and foods and beverages 0.8 p.c. For the eight groups reporting lower employment, the declines ranged between 8.6 p.c. for textiles and 0.1 p.c. for paper and allied

Despite the great industrial progress made by other provinces. Ontario continues to maintain its predominance and in 1960 produced about 50 per cent of the nation's manufactured goods. A vast increase of steel ingot capacity is being made possible by developments of Steep Rock Iron Mines. At Sarnia, huge investments have gone into the construction of a new plant for a whole group of new products based on Alberta oil flowing through the Edmonton-Superior pipe line. Other significant developments are taking place in synthetic rubber, synthetic textiles, and industrial and consumer chemicals. Ontario has continued to gain in such traditional lines as motor vehicles, industrial and farm machinery, and the manufacture of household equipment. The same may be said of other "hard" goods like business and office machinery and electrical apparatus and supplies. Numerous plants making aircraft components and building materials have favoured the Toronto area, while chemical and synthetic textile plants have been rising in the vicinity of Samia and along the lower reaches of the St. Lawrence River between Comwall and Kingston.

Ontario has the greatest diversification of manufacturing production of any province. Certain industries, such as the manufacture of motor vehicles, motor vehicle parts, rubber

tires, agricultural implements, office and store machinery, breakfast cereals, starch and glucose and the processing of raw tobacco are carried on practically in this province alone. Of the 182 industries listed for Canada 35 had shipments of over \$200,000, 35 had shipments of \$100,000 to \$200,000 and 112 had shipments below \$100,000. Of the 35 largest industries in Canada in 1960, 12 were dominated by Ontario's share of the total production. These industries, with the percentage which the production of each bears to that of the 1960 Canada totals are as follows: motor vehicle manufacturers 98,1, motor vehicle parts and accessories 97.2, manufacturers of electrical industrial equipment 84.9, iron and steel mills 78.7, manufacturers of major appliances (electric and non-electric) 74.9. fruit and vegetable canners and preservers 67.0, miscellaneous machinery and equipment manufacturers 65.1, miscellaneous metal fabricating industries 64.4, wire and wire products manufacturers 63.8, manufacturers of industrial chemicals 59.3, printing and publishing industry 57.3 and metal stamping. pressing and coating industry 57.1.

There are also 21 medium-sized industries with a total Canadian production of \$100,000 to \$200,000 in which Ontario dominates. This is out of a total of 35 for Canada as a whole. In this category are: leaf tobacco processing 95.9, agricultural implements 90.4, soaps and cleaning compounds 89.3, instruments and related products 78.0, household radio and television receivers 73.2, other chemical products, n.e.s. 69.4, hardware, tools and cutlery 69.3, other paper converters 68.3, lithographing 66.1, steel pipe and tube mills 65.9, other rubber industries 64.6, ornamental and architectural metal industry 64.5, miscellaneous electrical products 63.5, folding and set-up boxes 62.7, confectionery 58.2, vegetable oil mills 56.1, paint and varnish manufacturers 55.2, copper and alloy rolling, casting and extruding 54.0, pharmaceuticals and medicines 53.1 and concrete products 52.0. The production of rubber tires is also in this category, the percentage, however, cannot be shown.

In addition, Ontario dominated many of the small industries in 1960 as indicated by the following percentages of the Canadian total. In this category were: office and store machinery 94.4, breakfast cereals 92.0, smokers' supplies 89.9, models and pattems 87.4, pressed and punched felt mills 86.9, glass products 86.0, wineries 85.6, mineral wool 85.2, cordage and twine 84.5, typewriter supplies 84.4. leather tanneries 84.0, small electrical appliances 83.8, sporting goods 82.0, commercial refrigeration and air conditioning 81.9, vegetable oil mills 81.8, abrasives 81.2, clocks and watches 78.0, truck bodies and trailers 76.3, metal rolling, casting and extruding 75.6, etc.

Establishments reporting in 1960 numbered 13,387. They furnished employment to 603,467 persons who were paid \$2,585,676,553 in salaries and wages, and spent \$6,126,027,277 for materials used. The value added by manufacture which is the calculated value of production less the cost of materials used, including the cost of fuel and electricity, amounted to \$5,319,683,901, while the selling value of factory shipments totalled \$11,685,675,652.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

To calculate the value of production, it is necessary to adjust the value of shipments for the difference in the opening and closing inventories of finished goods and goods in process. As the census of industry schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. For 1954 and 1955 value of production figures were obtained by adjusting shipments for inventory change of finished goods only, while for 1956 and subsequent years value of production figures were adjusted for inventory changes in both finished goods as well as goods in process. The figures for value added for 1956 and subsequent years are, therefore, comparable with 1951 and earlier years.

TABLE 10. Principal Statistics of the Forty Leading Industries of Ontario, 1960

Basis: Revised Standard Industrial Classification, adopted in 1960.

10.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments	
		numb	er		dell	ars		
	Motor vehicle manufacturers	11	26,688	145.580.519	608, 974, 444	330, 019, 595	952, 330, 16	
	Smelting and refining	9	11,377	56,453,920	353,517,280	248, 432, 649	622,604,87	
3	Iron and steel mills	18	26,571	146, 272, 191	278,073,216	30 1, 405, 888	595, 124, 93	
4	Pulp and paper mills	40	20,318	106, 235, 263	212, 355, 848	232, 568, 350	478, 256, 47	
5	Slaughtering and meat packing plants	73	9,698	43, 499, 342	3 16, 73 1, 975	77,020,633	396, 066, 33	
6	Petroleum refining	7	5, 119	32,039,091	257,021,648	68,248,858	341,831,40	
7	Motor vehicle parts and accessories, manu-	1		T4 000 650	140 011 400	100 000 706	278, 936, 94	
	facturers	89	14, 730	71,067,552	148,611,432	123,889,726 135,264,993	266, 889, 59	
8	Manufacturers of industrial chemicals	55	9,227	50, 195, 770	108, 247, 606	130, 204, 933	200,000,00	
9	Miscellaneous machinery and equipment	00.1	10 570	80, 256, 352	113,244,362	143,230,744	256, 321, 56	
	manufacturers	26 1 158	17,578 10,326	32,379,300	124,550,485	84, 374, 438	209, 991, 76	
0	Fruit and vegetable canners and preservers	198	10, 320	34,313,300	124,000,400	01,011,100	200,002,11	
1	Manufacturers of electrical industrial equip-	71	15,007	75,075,007	72,684,057	133, 137, 159	209, 116, 60	
0	ment	268	12,021	55,444,278	96,026,405	100, 389, 759	199, 219, 5	
	Metal stamping, pressing and coating industry Rubber tire and tube manufacturers	8	8,004	38, 260, 867	89,044,498	83,839,090	173, 434, 8	
4	Printing and publishing	288	14, 102	68,793,038	45, 197, 667	127,053,802	173, 409, 9	
5	Pasteurizing plants	400	10,278	41,718,743	106, 122, 727	62, 412, 769	172,935,5	
16	Miscellaneous food manufacturers	110	5, 182	21,492,018	105,579,484	65,038,096	172,745,6	
7	Manufacturers of major appliances (electric						150 000 5	
`	and non-electric)	29	7,904	35,062,394	81, 180, 687	67,484,656	152,880,7	
18	Bakeries	843	15, 224	50, 238, 405	68,977,605	78, 136, 022	151,610,2 140,922,1	
19	Printing and bookbinding	749	12,245	50, 644, 902	50,955,766	89,526,658 54,267,527	137, 429, 4	
20	Agricultural implement industry	27	9,960	49, 331, 445	71, 353, 131 55, 235, 019	74, 066, 627	130, 300, 0	
21	Miscellaneous metal fabricating industries	194	9,445	40,305,964 12,023,069	95, 409, 302	30,587,122	128, 419, 7	
22	Feed manufacturers	697 116	3,756 7,308	33, 677, 236	69.691.049	57, 410, 090	127, 618, 6	
23	Wire and wire products manufacturers	67	3,336	16,782,755	49,621,041	72,650,135	124,388,7	
24	Manufacturers of soap and cleaning compounds	104	6, 849	28,613,412	67, 023, 655	55,014,021	121,863,3	
25	Miscellaneous paper converters	94	10, 104	41,429,335	46, 473, 456	70, 147, 147	113,765,2	
26 27	Leaf tobacco processing	10	1,678	4,883,445	100, 474, 361	11,051,485	111,790,9	
28	Aircraft and parts manufacturers	36	8,396	40, 204, 903	49, 330, 049	58,552,937	110, 138, 3	
29	Synthetic textile mills	15	5,068	21,911,509	45, 102, 099	60,999,789	108,464,6	
30	Breweries	18	2,735	15,858,726	23, 190, 140	81,276,980	106, 201, 9	
3 1	Fabricated structural metal industry	33	6,347	31, 117, 745	50,776,276	53,025,158	104,722,3	
32	Miscellaneous chemicals, n.e.s.	170	3,800	16, 598, 153	50, 101, 366	49,758,207	100,987,1 99,184,1	
33	Butter and cheese plants	307	2,705	8, 492, 316	81,590,279	15,489,254 68,029,500	96,712.9	
34	Distilleries	10	2, 183	10, 229,063	32, 232, 864 46, 213, 294	48,925,415	95,729,5	
35	Household furniture industry	622	9,834	33,065,736 7,109,215	68, 514, 631	19,968,590	89, 130, 3	
36	Flour mills	32	1, 634	1, 109, 210	00,014,001	10,000,000	00, 230, 0	
7	Manufacturers of pharmaceuticals and medi-	87	4, 194	16,507,748	23,850,864	64, 280, 011	87.586.7	
20	cines Manufacturers of miscellaneous electrical	0.1	1, 104	10,001,110	20,500,001	1 2, 200, 1 22		
38	products	77	5.704	23,456,440	37,705,626	47,517,876	84,628,9	
39	Conferctionery manufacturers	90	5, 154	15,719,012	40,624,718	41,727,610	83, 237,	
40	Paint and varnish manufacturers	73	2, 943	13, 18 1, 075	41, 499, 286	39, 347, 505	81,379,0	
IU	Totals, leading industries	6, 366	364,732	1,681,207,254	4, 383, 109, 698	3,625,566,871	8, 188, 309, 1	
						5,319,683,901	11,685,675,6	
	Totals, all industries	13,387	603,467	2,585,676,553	6, 126, 027, 277	0,313,003,301	14,000,010,0	

¹ See footnote 1, Table 7, Part I.

SECTION 5. THE MANUFACTURES OF THE PRAIRIE PROVINCES

The leading industries of the Prairie Provinces are those based on agricultural resources - grain-growing, cattle-raising and dairying areas. Next in importance, generally, are industries providing for the more necessary needs of the resident population, such as the baking of bread, printing and publishing, etc. The extensive railway services require large shops for the maintenance of rolling-stock, especially in the Winnipeg area. The widespread use of motor vehicles and power machinery on farms has given rise of petroleum refineries in each province. This industry has made tremendous strides in the Prairie Provinces since 1949, At that time it ranked third in importance. being outranked by slaughtering and meat packing which was then in first place and by flour mills which ranked second. In 1956 it assumed the premier position in the Prairie Provinces in selling value of factory shipments but dropped to second place since then. Of greater significance is the fact that it has increased its proportion of the total manufacturing production of the Prairie Provinces from 8.5 p.c. in 1949 to 15.5 p.c. in 1958. In 1960 the proportion declined to 11.9 p.c. This, however, was not due to a decline in the importance of the industry but rather to a change in method of reporting unit values of petroleum products which in 1959 and 1960 were reported at a lower level than was formerly the case. Manitoba, as the early commercial centre of the prairies, has had a greater industrial development than either of the other provinces. Its natural resources of accessible water power, forests and, more recently, minerals, have given rise to quite a diversification of industrial production. In Saskatchewan, while the main economic role continues

to be played by agriculture, both oil and mineral wealth are being developed.

Considering the Prairie Provinces as an economic unit, slaughtering and meatpacking with shipments valued at \$344,320,000 in 1960 was the leading industry. Petroleum refining with \$234,442,000 ranked second, followed by flour mills with \$96,646,000, pasteurizing plants \$69,966,000 and butter and cheese \$60,712,000. These five industries accounted for 41 per cent of the total value of factory shipments of the Prairie Provinces. Smelting and refining was in fifth place in 1960 and butter and cheese in sixth place. Figures for smelting and refining, however, cannot be published. Other leading industries, in order of value of factory shipments and with shipments of \$18,000,000 or more were: bakeries, railroad rolling stock, printing and published, pulp and paper, breweries, fabricated structural metal industries, manufacture of industrial chemicals, men's clothing factories, metal stamping pressing and coating, miscellaneous foods, n.e.s., sash, door and planing mills, feed manufacturers, cement, poultry processing, printing and bookbinding, sawmills, concrete products, soft drink manufacturers, steel pipe and tube mills, manufacture of plastics and synthetic resins, and miscellaneous metal fabricating industries.

In water-power resources, the Prairie Provinces are not so well endowed as the more highly industrialized provinces of Quebec, Ontario and British Columbia. At the end of 1960

² Reported on a production basis.

power installation in the three provinces totalled only 1,220,330 h.p. or about 6 p.c. of the Canadian total, Manitoba had 988,900 h.p., Saskatchewan 132,135 h.p. and Alberta 414,455 h.p. With the present development of natural gas and oil, the Prairie Provinces, will in large measure be able to overcome a lack of water-power resources which is so vital to industrial development.

In the Prairie Provinces, the nature of development varies from one province to another. Alberta has moved to the forefront, especially since 1950. There the emphasis has been more on the manufacture of machinery and equipment for the burgeoning oil and gas industries. Chemicals, and especially petrochemicals, have made striking gains; second in terms of new growth. they now embrace various rayon intermediates and polythene plastics, as well as fertilizers and the manufacture of other new inorganic products like caustic soda and chlorine. Sizeable gains have been made by the expansion of food-processing plants and the construction of still more factories for making building materials, transportion equipment, paper products and textiles. Based on the increase in employment between 1949 and 1959 the foods and beverages group with an increase of 2.476 employees reported the greatest expansion in production. This was followed closely by iron and steel products with an increase of 2,435 employees, chemicals and allied products 1,312, products of petroleum and coal 1,269, non-metallic mineral products 1,145, paper products 1,123, transportation equipment 842, printing, publishing and allied industries 767 and non-ferrous metal products 639. All groups reported increases in employment. The wood products group which in 1958 reported a drop of 485 employees as compared with 1949 had an increase of 20 employees in 1959.

Developments in Saskatchewan, by contrast, have continued along more or less traditional lines since 1949. The largest gain of 585 employees has been recorded by the products of petroleum and coal group which includes oil refineries. The second highest gain of 333 employees was reported by the non-metallic mineral products group which consists of a number of industries manufacturing building products. Considerable expansion was also reported by miscellaneous industries, foods and beverages, iron and steel products, paper products and printing, publishing and allied industries. Wood products with a drop of 298 employees was the only major group to report a decline in employment; this no doubt being due to the decline in the exports of lumber and its products during the past few years.

Although Manitoba experienced considerable development in manufacturing production since 1949, it did not, percentagewise, keep pace with the other two Prairie Provinces. The change was not so much in the magnitude but rather in the nature of manufacturing production. The emphasis has shifted from the production of food and clothing to the production of products of mineral origin, such as iron and steel, non-metallic mineral products electrical apparatus and products of petroleum and coal. There was also a wider diversification of products as is evidenced by the increase of 472 employees in the miscellaneous group. For manufacturing as a whole the increase in the number of employees totalled 1,189. The largest increase of 1,354 was reported by the iron and steel group. The nonmetallic mineral products group with 782 reported the second largest increase, followed by miscellaneous industries with 370, products of petroleum and coal 278, electrical apparatus and supplies 259 and paper products 211. Only four groups reported major declines in employment; transportation equipment 812, clothing, including knitting mills 574, foods and beverages 463 and textiles 275. The foods and beverages group which in 1949 accounted for 25.3 p.c. of the total employment in manufacturing accounted for 23.5 p.c. of the total in 1959. The foods and beverages group with 10,163 employees was still in first place in 1959 as an employer of labour. This was followed by iron and steel products with 6,128, transportation equipment 5,850, clothing, including knitting mills 5,806, printing, publishing and allied industries 3,828 and wood products 3,302. These six groups accounted for 81 p.c. of the manufacturing employment in Manitoba.

The expansion in manufacturing production in the Prairie Provinces between 1949 and 1959 kept pace with that of Canada as a whole. This is indicated by the Prairie Provinces' share of the Canadian total which amounted to 8.51 p.c. in 1949 and 8.49 p.c. in 1959. For the first few years production in these provinces lagged behind, the percentage of the total dropping from 8.51 in 1949 to 7.91 in 1953. In 1954 conditions were reversed. The Prairie Provinces reported an increase of 1.4 p.c. in value of factory shipments as compared with a decline of 1.3 p.c. for Canada as a whole. This brought their share of the total to 8.13 p.c. In 1955 and 1956 conditions deteriorated again with the percentage of the total dropping to 7.62. The expansion which took place during 1957 to 1959 saw an improvement in the percentage of 8.51.

Variation in Employment and Factory Shipments, 1959 Compared with 1949

Province	Employees	Earnings	Selling value of factory shipments
		per cent	
Manitoba	+ 2.8	+ 78.9	+ 56.6
Saskatchewan	+ 15.7	+ 111.2	+ 61.0
Alberta	+ 49.6	+ 176.7	+ 138.5
Prairie Provinces	+ 20.2	+ 116.3	+ 86.2
Canada	+ 11.3	+ 95.7	+ 86.8

According to Table 1, manufacturing establishments in 1960 numbered 4,327 for the Prairie Provinces as a whole. These plants furnished employment to 94,414 persons who received \$360,367,605 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,972,888,407 and spent \$1,159,897,195 for materials, while the value added by manufacture totalled \$779,409,171.

As already indicated in the text, the statistics for 1960 were compiled on the Revised Standard Industrial Classification. The main features of the revision was the adoption of twenty major industrial groups in place of the eighteen formerly used. Furniture and fixtures was established as a new group while the Iron and steel products and Non-ferrous metal products groups were re-arranged into three groups as follows:

(a) Primary metal industries,

(b) Metal fabricating (excluding machinery and transportaequipment),

(c) Machinery industries (excluding electrical machinery).

Two new industries, viz. Poultry processors and Dental laboratories were established while several industries such as salt, absorption plants, coke and some publishers only of periodicals were removed from the manufacturing sector.

These changes make it impossible to compare the 1960 results with previous years without making a complete recompilation of the statistics of previous years on the revised basis. This has already been done back to 1957 and the changes in the employment pattern in the Prairie Provinces between 1957 and 1960 are given in the table below.

From the point of view of manufacturing employment the Prairie Provinces as a unit fared much better than Canada as a whole between 1957 and 1960, For the Prairie Provinces there was a slight increase of 0.1 p.c. in employment while for Canada as a whole there was a decline of 4.5 p.c. The non-durable or consumer goods industries reported an increase of 3.0 p.c. as compared with a 0.2 p.c. decline for Canada. The durable goods industries also fared better with a drop of only 3.9 p.c., while for Canada the drop was 9.3 p.c. As is indicated

in the table below, manufacturing in the Prairie Provinces consists mainly of consumer goods. In 1960 the non-durable goods industries accounted for 60.6 p.c. of the total manufacturing employment while the durable goods industries accounted for the balance of 39.4 p.c. Between 1957 and 1960 non-durable goods industries increased their proportion of the total employment in manufacturing from 58.9 p.c. in 1957 to 60.6 p.c. in 1960 while the durable goods industries suffered a proportionate decline.

Manufacturing Employment in the Prairie Provinces, by Industrial Group, 1957 and 1960

	Manit	oba	Saskatch	newan	Alber	ta
Industrial group	1960	1957	1960	1957	1960	1957
Non-durable goods:	40.540	0 000	5, 860	5,447	12, 267	11.739
Foods and beverages	10,540	9,996	5, 600	0,111	12, 20.	
Tobacco products	_	1	_	_	1	1
Rubber	1		-	-	00	62
Leather	554	739	-		86	
Textiles	508	541	90	78	431	464
Knitting mills	139	91	-	_	27	48
Clothing	5, 646	5, 843	266	256	1, 145	999
Paper and allied industries	1,624	1, 755	200	43	1, 198	1, 157
Printing, publishing and allied industries	3,917	3,826	1,588	1, 548	2,794	2, 625
Petroleum and coal products	698	996	1, 111	1, 278	1,742	1,980
Chemicals and chemicals products	649	683	1	101	1, 903	1,913
Miscellaneous manufacturing industries	1, 148	775	300	104	766	467
Totals	25, 423	25, 245	9,415	8, 855	22, 359	21, 454
Durable goods:						
Wood industries	1, 161	1,269	978	1, 198	3,695	4,518
Furniture and fixtures	1,937	1,892	111	89	896	770
Primary metals	1,426	1,610	730	583	1,357	1,332
Metal fabricating (except machinery and transportation equipment)	3, 513	3, 285	750	452	3, 805	3,728
Machinery (except electrical)	1, 143	1,004	150	175	355	272
Transportation equipment	5, 395	7,048	71	12	2, 985	3,666
Electrical products	806	1,065	2	66	227	188
Non-metallic mineral products	1, 535	1,320	713	512	3,478	2,670
Totals	16, 916	18, 493	3,503	3,087	16, 798	17, 144
Grand totals	42, 339	43,738	12, 918	11,942	39, 157	38, 598

¹ Included with miscellaneous industries.
² Included with non-metallic mineral products.

Percentage Variation in Manufacturing Employment in the Prairie Provinces, 1960 and 1957

Province	Total manufacturing	Non-durable goods	Durable goods	
Manitoba	- 3.2	+ 0.7	- 8.5	
Saskatchewan	+ 8.2	+ 6.3	+ 13.5	
Alberta	+ 1.4	+ 4.2	- 2.0	
Prairie Provinces	+ 0.1	+ 3.0	- 3.9	
Canada	- 4.5	- 0, 2	- 9.3	

TABLE 11. Principal Statistics of the Leading Industries of Manitoba, 1960

Basis: Revised Standard Industrial Classification, adopted in 1960

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Value of factory shipments		
		number			dollars				
2 3 4	Slaughtering and meat packing plants Petroleum refining Railroad rolling stock industry Men's clothing factories Pasteurizing plants	13 3 5 51 16	2,910 666 3,510 2,860 1,001	13, 366, 772 3, 234, 125 13, 954, 172 6, 762, 065 3, 878, 054	98, 082, 865 34, 200, 664 18, 055, 553 13, 406, 572 14, 065, 923	26,107,234 13,347,097 16,773,561 9,993,764 6,763,748	124,622,590 51,356,945 ² 35,466,660 ² 23,553,082 21,207,516		
7	Fabricated structural metal industry Flour mills Miscellaneous foods, n.e.s.	4 5 22	888 472 667	4,489,437 1,598,788 2,169,392	4,969,948 17,009,640 14,411,581	15,828,180 3,001,614 6,299,934	20, 904, 861 ² 20, 185, 102 20, 159, 635		
11 12 13 14	Printing and publishing Bakeries	71 156 3 55 89 25	1,862 1,832 562 488 1,545 1,563 1,093	6,616,075 6,311,532 2,762,281 1,390,367 6,337,931 4,349,673 4,214,244	5, 116, 603 7, 802, 930 5, 633, 997 14, 271, 935 5, 245, 846 8, 575, 284 7, 763, 585	13, 260, 853 9, 570, 917 10, 422, 453 2, 768, 038 10, 104, 217 6, 867, 363 7, 315, 038	18, 556, 911 17, 958, 111 17, 425, 028 17, 294, 966 15, 480, 799 15, 461, 583 15, 412, 426		
17 18 19	Breweries	6 94 50 10 20	620 1,069 258 528 853	3,059,438 3,617,949 907,108 2,263,877 2,835,867	3,079,463 6,592,475 7,012,876 5,099,455 5,414,716	11, 294, 163 5, 416, 992 2, 910, 330 4, 254, 221 4, 308, 680	14, 481, 634 12, 088, 119 10, 130, 768 10, 093, 725 9, 846, 860		
22 23 24	Agricultural implement industry Soft drink manufacturers Poultry processors Concrete products manufacturers Paint and varnish manufacturers	14 20 18 16 5	537 351 425 626 268	1,964,444 1,312,250 734,497 2,511,077 994,396	5, 194, 537 2, 492, 264 5, 691, 818 3, 426, 096 3, 795, 798	4, 182, 562 4, 782, 362 1, 219, 190 2, 968, 224 2, 814, 646	9,510,176 7,477,061 6,956,926 6,828,389 6,613,889		
26 27	Cotton and jute bag industry	3	193	682,310	4,796,965	1,768,803	6,547,156		
29	turers Miscellaneous paper converters Biscuit manufacturers Corrugated box manufacturers Other leading industries ³	13 7 4 3 7	514 233 336 244 2,312	2, 154, 745 682, 383 1, 069, 976 951, 779 10, 217, 995	2,608,327 2,741,538 2,521,329 3,279,380 15,197,538	3,641,166 3;343,162 3,016,446 2,061,503 20,058,524	6, 103, 123 5, 966, 183 5, 672, 444 5, 421, 545 38, 148, 677		
	Totals, leading industries	841	31, 286	117, 394, 999	347, 557, 501	236, 464, 985	596, 932, 890		
	Totals all industries	1, 592	42, 339	154, 263, 811	419, 583, 431	306, 434, 692	738, 457, 346		

TABLE 12. Principal Statistics of the Leading Industries of Saskatchewan, 1960

-							
No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Value of factory shipments
		nur	nber		doll	ars	
1 2 3 4 5	Petroleum refining	6 10 7 43 20	1,032 1,357 714 584 906	5,877,144 6,180,349 3,070,244 1,720,739 3,227,782	52, 524, 069 38, 278, 783 31, 046, 934 16, 332, 563 10, 119, 640	18, 512, 054 10, 375, 057 9, 999, 048 3, 475, 325 5, 790, 150	75, 338, 011 ² 49, 015, 122 41, 575, 309 20, 161, 826 16, 258, 831
6 7 8 9	Bakeries Breweries Printing and publishing Poultry processors Soft drink manufacturers	100 5 88 21 27	1,053 376 1,223 358 270	3,527,279 1,803,359 4,257,348 808,211 945,728	4,561,015 2,739,142 2,362,950 6,314,841 1,902,430	6, 440, 430 7, 834, 684 7, 618, 602 1, 279, 899 3, 610, 423	11, 290, 995 10, 755, 724 10, 093, 071 7, 649, 745 5, 728, 211
	Metal stamping, pressing and coating industry Sash and door and planing mills (excluding hardwood flooring) Sawmills (including shingle mills)	10 26 232	348 398 441	1, 298, 353 1, 352, 198 815, 698	3, 176, 347 2, 258, 250 2, 207, 465	2,072,555 1,525,493	5, 433, 798 4, 393, 630 3, 821, 719 ²
14 15	Miscellaneous metal fabricating, industries n.e.s. Feed manufacturers	6 12	105 111	503,869 368,783	2, 416, 156 2, 275, 611	1, 237, 478 846, 893	3,665,549 3,214,823
-	Ready-mix concrete manufacturers Concrete products manufacturers Other leading industries ³	6 19 3	76 196 758	317, 222 701, 463 3, 538, 624	1,756,839 1,093,415 18,887,872	983, 150 1, 433, 961 17, 723, 926	2,798,059 2,691,494 40,587,365
19	Totals, leading industries	641	10, 306	40, 314, 393	200, 254, 322	102, 948, 011	314, 473, 282
20	Totals, all industries	887	12, 918	49, 764, 266	215, 404, 848	119, 776, 935	344, 773, 261

See footnote 1, Table 7, Part I.
 Reported on a production basis.
 Includes Aircraft and parts manufacturers, Cement manufacturers, Iron and steel mills, and Smelting and refining.

See footnote 1, Table 7, Part I.
 Reported on a production basis.
 Includes "Cement manufacturers", "Manufacturers of electric wire and cable", "Smelting and refining" and "Steel pipe and tube mills".

TABLE 13. Principal Statistics of the Leading Industries of Alberta, 1960

Basis: Revised Standard Industrial Classification, adopted in 1960

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
		number			dol	lars	
1 2 3 4 5 6 7 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 20 21 22 23 24 24 24 25 26 26 27 26 27 26 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28	Slaughtering and meat packing plants Petroleum refining Plour mills Manufacturers of industrial chemicals Pasteurizing plants Pulp and paper mills Butter and cheese plants Bakeries Pabricated structural metal industry Manufacturers of plastics and synthetic resins Printing and publishing Sash and door and planing mills (excluding hardwood flooring) Breweries Sawmills (including shingle mills) Ready-mix concrete manufacturers Cement manufacturers Concrete products manufacturers Concrete products manufacturers Machine shops Men's clothing factories Poultry processors Metal stamping, pressing and coating industry Miscellaneous food manufacturers Glass manufacturers Other leading industries'	211 111 8 111 36 3 81 164 7 4 76 105 6 360 12 2 3 477 98 68 9 111 25 12 4 8	3,838 1,684 663 1,148 1,942 605 588 2,096 1,172 498 1,651 1,438 536 1,591 1,591 1,027 466 436 782 351 1,027 925 465 502 249 696 2,392	17, 854, 141 9, 822, 082 2, 493, 798 5, 782, 103 6, 836, 998 3, 388, 347 1, 660, 228 6, 807, 509 5, 167, 596 2, 913, 804 6, 223, 520 4, 732, 670 2, 591, 428 3, 581, 839 2, 231, 807 2, 260, 703 3, 005, 148 1, 229, 513 4, 533, 270 2, 506, 149 1, 922, 410 949, 143 2, 576, 208 10, 476, 538	137, 899, 556 72, 965, 276 25, 212, 787 10, 174, 565 22, 225, 118 11, 172, 765 20, 140, 078 9, 239, 466 10, 046, 311 7, 962, 748 4, 160, 489 9, 387, 164 7, 557, 332 1, 331, 225 4, 462, 327 8, 034, 695 3, 995, 644 7, 5570, 041 7, 939, 973 5, 354, 616 5, 266, 985 3, 398, 463 42, 518, 490	32,508,892 30,816,811 9,531,650 21,175,611 9,790,934 14,674,689 2,852,213 12,039,250 9,202,166 10,999,994 14,237,684 7,493,197 13,301,375 6,755,103 4,828,905 8,947,200 7,104,988 3,362,358 7,134,259 4,803,631 1,663,310 4,011,546 3,466,140 4,824,496 20,835,663	170,682,500 107,747,089² 34,886,459 33,103,165 32,498,579 27,620,144 23,254,832 21,812,471 19,354,526 18,371,978 17,705,373 16,546,004² 12,695,412 11,893,305 11,702,591 11,626,229 11,036,878 9,931,788 9,738,821 9,416,288 8,839,069 8,244,295 62,340,175
26	Totals, leading industries	1, 190	27,741	112, 676, 358	451, 285, 950	266, 361, 490	729,303,821
27	Totals, all industries	1,848	39, 157	156, 339, 528	524, 908, 916	353, 197, 544	889, 657, 800

¹ See footnote 1, Table 7, Part I.

SECTION 6. THE MANUFACTURES OF BRITISH COLUMBIA

British Columbia, with factory shipments valued at \$1,936,917,630, ranked third among the provinces in manufacturing production. In spite of the rapid industrialization of other provinces, British Columbia succeeded in increasing its share of the total Canadian output. This is reflected in the increase in the total from 7.1 p.c. in 1939 to 8.6 p.c. in 1956. With the minor decline in business activity and the drop in the export of lumber and its products, British Columbia in 1957 was affected more than Canada as a whole, with the result that its share of total shipments dropped to 8.05 p.c. Some improvement took place during the following three years, with the percentage rising to 8,16 in 1960,

Forest resources, fisheries, minerals and electric power have given a broad base and wide diversification to its industrial development. While Ontario and Quebec have an outstanding predominance in each of the major industrial groups of the Standard Industrial Classification, in the production of wood products, exclusive of furniture, however, British Columbia with 52 p.c. of the Canadian total holds the dominant position, outranking both Ontario and Quebec which account respectively for 17 and 19 p.c. of the total.

Emphasizing the importance of the forests in the industrial life of the Province, the sawmilling industry ranked first with a gross value of factory shipments of \$384,227,057, and pulp and paper second with \$256,731,375. Third in importance was the petroleum products industry with factory shipments valued at \$106,688,286. This industry received a great impetus in the completion of the Trans-Mountain oil pipeline. In 1953, with shipments valued at \$40,562,462 it ranked seventh, and contributed about 3 p.c. to the total value of factory shipments of the Province. In 1954 it assumed third place with the proportion of the total increasing to 5.5 p.c., with a further increase to 7.4 p.c. in 1958. In 1959 and 1960 both the value of shipments and the percentage of the total declined. Value of shipments were down 20 p.c. and the percentage of the total declined to 5.5. The drop in the value of shipments and the proportion of the total is due mainly to a change in the level

of reporting unit values which were lower than the method formerly used would have given. British Columbia also leads in the production of veneer and plywood, contributing 61 p.c. of the Canadian total in 1960. This industry with shipments valued at \$82,891,001 was in fourth place. Sash, door and planing mills were in fifth place with shipments valued at \$71,522,221. In sixth place, with shipments valued at \$67,564,005 was fish processing, based principally in the estuarial salmon fisheries. British Columbia accounted for approximately 40 p.c. of the output of the fish processing industry in 1960, and plays a large part in making Canada the largest fish exporting nation in the world. Other important industries are: slaughtering and meat packing plants, pasteurizing plants, miscellaneous food manufacturers, manufacturers of industrial chemicals, fruit and vegetable canners and preservers, printing and publishing, bakeries, shipbuilding and repairs, etc. The non-ferrous metal smelting and refining industry also ranks among the leading industries. Information, however, cannot be published as there are less than three smelters in operation.

A feature of recent progress has been that new developments are taking place in areas far removed from accepted industrial centres, Growing lines of communication and transportation are fanning out from and leading into formerly locked interior communities to tap a vast new potential and offer new sources of provincial economic unity and strength. Factories and plants in remote sections are drawing greater value in employment and dollars from natural resources. The growth of the province industrially may be indicated by the increase in employment which is more than two and one-half times the prewar figure. In dollar terms, gross value of manufacturing is also up 680 p.c. since 1939. The consumption of 8.1 billion kwh. of electric power by manufacturers during 1959 marks a steady upward climb of 200 per cent in the past decade.

British Columbia ranks second among the provinces in available water-power resources, and its hydraulic development which at the end of 1960 totalled 3,700,326 h.p. out of a

² Reported on a production basis.
³ Includes "Railroad rolling stock industry", "Smelting and refining", "Steel pipe and tube mills" and "Sugar refineries".

Canadian total of 26,372,444 h.p. is exceeded only by Quebec and Ontario. Present developments are located chiefly in the southern part of the Province where a number of important sites are still available for development. The British Columbia Electric Company, with a total hydro-electric capacity of 1,385,835 h.p. is the major producer and distributor in the province. The largest single development in British Columbia is the Kemano-Kitimat plant of the Aluminum Company of Canada with a total developed capacity of 1,050,000 h.p. and an ultimate capacity of 2,000,000 h.p. This power will be used in the production of aluminum which is a new product for British Columbia. Present capacity of the smelter is about 200,000 tons per annum, a production which will further strengthen Canada's position as an important source of this vital metal.

Manufacturing establishments reporting in 1960 numbered 3,995. These plants furnished employment to 100,507 persons who were paid \$439,368,651 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,936,917,630 and spent \$1,026,998,973 for materials, while the value added by manufacture totalled \$853,836,400.

In spite of the substantial declines during 1957 and 1958, manufacturing in British Columbia fared better than Canada as a whole. In comparing 1959 with 1953 it is found that for British Columbia employment was 7.8 p.c. higher while for Canada as a whole it was 1.8 p.c. lower. Also in value of shipments

British Columbia reported an increase of 37.2 p.c. as compared with 31.1 p.c. for Canada as a whole. There was an expansion in manufacturing production in British Columbia during 1954; at a time when the rest of Canada was experiencing a minor recession. For Canada as a whole there was a drop of 4.5 p.c. in the number of employees and 1.3 p.c. in value of shipments. British Columbia was the only province in 1954 to report increased employment, the increase being 2.2 p.c. Although British Columbia was not the only province to report increased shipments that year, the increase of 7.9 p.c. was, however, the highest of any province. In common with other provinces manufacturing in British Columbia continued to expand during 1955 and 1956. It reported the second highest increase in employment and value of factory shipments, Alberta being first in both respects. The expanding trend in production in British Columbia was checked in 1957. Employment and factory shipments declined in 1957 as well as in 1958. There was a moderate increase in employment in 1959 with another moderate decline in 1960. As a result of these fluctuations manufacturing employment in British Columbia declined by 7.4 p.c. during the period 1956-60. Salaries and wages, however, were 11.6 p.c. higher and shipments 4.2 p.c. higher. The decline in manufacturing production in British Columbia was more severe than for Canada as a whole which experienced a decline of only 4.3 p.c. in employment and increases of 13.9 p.c. in salaries and wages paid and 9.8 p.c. in value of factory shipments.

TABLE 14. Principal Statistics of the Leading Industries of British Columbia, 1960

Basis: Revised Standard Industrial Classification, adopted in 1960

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
		nur	nber		dollars		
1	Saw mills (including shingle mills)	1, 222	26,791	107,965,077	209,557,535	168, 362, 162	384, 227, 0572
2	Pulp and paper mills	14	8,695	49,334,620	94,437,237	148,646,669	256,731,375
3	Petroleum refining	7	1,379	8,440,519	78,556,066	22,617,965	106,688,2862
4	Veneer and plywood mills	18	6,034	26,725,331	47,799,853	34,827,342	82,891,001
5	Sash and door and planing mills (excluding hardwood flooring)	202	3,522	14, 273, 103	48, 278, 250	21,845,110	71,522,221
6	Fish products industry	43	2, 555	9,202,043	35,527,000	20,237,633	67,564,005
7	Slaughtering and meat packing plants	17	1, 579	7,350,613	49,003,258	11,984,871	60,846,392
8	Pasteurizing plants	50	2,059	8,552,943	26,802,938	14,510,599	42, 118, 617
9	Miscellaneous food manufacturers	42	852	3, 350, 884	29,394,459	11,567,730	41, 252, 259
10	Manufacturers of industrial chemicals	16	1,417	6,908,077	17,295,496	23, 173, 039	39,423,566
11	Fruit and vegetable canners and preservers	49	1,955	5, 532, 323	23, 331, 486	12,077,751	34, 325, 786
12	Printing and publishing	88	3, 222	15,584,617	7, 15 1, 46 3	26,834,422	34, 270, 725
13	Bakeries	322	3, 432	11,970,874	13,544,281	17,547,621	32,033,308
14	Shipbuilding and repair	20	2,603	13, 084, 458	7,063,620	17,891,008	25,297,9512
15	Metal stamping, pressing and coating industry	48	1,059	5,520,896	12,583,793	11, 180, 871	23, 266, 306
16	Feed manufacturers	43	641	2,543,017	17, 266, 767	4,884,711	22,644,390
17	Miscellaneous machinery and equipment manufacturers	46	1,555	7, 321, 198	8,030,269	12,865,057	21, 160, 580
18	Breweries	7	594	2,858,845	4,548,567	15,514,168	20,532,982
19	Fabricated structural metal industry	5	1, 225	6,511,628	9, 431, 125	8,663,781	18,603,7232
20	Household furniture industry	180	1, 294	4,576,668	6,878,242	6,729,262	13, 749, 589
21	Other leading industries ³	5	6,259	32,992,841	112,796,196	73,692,755	193,528,244
	Totals, leading industries	2,444	78, 722	350,600,575	859,277,901	685,654,527	1,592,678,363
	Totals, all manufacturing industries	3,995	100,507	439, 368, 651	1,026,998,973	853,836,400	1,936,917,630

¹ See footnote 1. Table 7. Part I.

Reported on a production basis.
 Includes, Corrugated boxes manufactures, Smelting and refining, and Sugar refineries.

SECTION 7. MANUFACTURING INDUSTRIES IN URBAN CENTRES

The prosperity of most of the cities and towns of Canada, especially in the east, is intimately connected with their manufacturing industries, which provide employment for a large proportion of their gainfully occupied population. In the west the cities are more largely distributing centres, though manufactures are rapidly increasing there also.

Table 15, indicating the extent to which the manufacturing industries of Canada are concentrated in urban centres, shows by provinces the proportion contributed by cities and towns having factory shipments of over \$1,000,000 each. In the more highly industrialized provinces of Ontario and Quebec such cities and towns in 1960 accounted for 80 p.c. and 94 p.c. respectively of the totals for those provinces, while for the Atlantic Provinces and British Columbia, where sawmilling, fish-packing, and dairying are leading industries, the propor-

tions are 69 p.c. and 47 p.c. respectively. In the Prairie Provinces manufacturing is confined to a few urban centres.

During the past few years there has been a noticeable trend for manufacturing plants to locate in rural areas adjacent to incorporated cities and towns. This trend is revealed by a study of the percentages in the table below during the past few years. In 1960 for Canada as a whole 81.1 p.c. of the shipments were made by cities and towns with factory shipments of \$1,000,000 and over, as compared with 86.9 p.c. in 1953. Torohto is a good case in point. In 1953 Toronto accounted for 72.0 p.c. of the total shipments of York County and the rural areas for 12.2 p.c., while in 1960 Toronto's share dropped to 54.8 p.c. with the rural areas increasing to 32.8 p.c. The same trend is apparent in other manufacturing centres. This accounts for the changes that have taken place during the past few years in some of the provinces and for Canada as a whole.

TABLE 15. Cities and Towns each with Selling Value of Factory Shipments of Over \$1,000,000, Number of Establishments and Total Shipments in such Urban Centres as a Percentage of the Grand Total, by Provinces, 1960

Note: Statistics published in this table are in some cases higher than the figures published in Table 18, since in the table below are included towns with shipments of over \$1,000,000 for which statistics must be withheld. It is not possible to publish this information in Table 18 without disclosing the operations of individual establishments.

Province	centres with selling value centres with selling value of factory centres with		Selling value of factory shipments of urban centres having \$1,000,000 or over	Selling value of factory shipments of each province	Selling value of factory shipments or urban centres as a percentage of shipments in each province
	num	number dollars		dollars	
Newfoundland	7	120	84, 815, 319	129, 284, 578	65.6
Prince Edward Island	4	61	21, 876, 943	30, 231, 361	72. 3
Nova Scotia	27	456	247, 271, 477	406, 182, 088	60.8
New Brunswick	18	330	299, 563, 309	377, 110, 146	79.4
Quebec	207	8,370	6, 798, 173, 718	7, 206, 096, 003	94.3
Ontario	190	8,885	9,351,940,361	11,685,675,652	80.0
Manitoba	14	1,090	631, 565, 455	738, 457, 346	85.5
Saskatchewan	13	463	288, 412, 647	344, 773, 261	83.6
Alberta	17	1,026	623, 166, 176	889,657,800	70.0
British Columbia	34	2,061	911,781,909	1,936,917,630	47.1
Yukon and Northwest Territories		4470		3,071,218	_
Canada - 1960	531	22,862	19, 258, 567, 314	23, 747, 457, 083	81, 1
1959	475	22, 236	19, 085, 999, 783	23, 311, 601, 481	81.9
1958	503	22,808	17, 603, 972, 221	22, 163, 186, 308	79.4
1957	499	23, 542	17, 886, 715, 270	22, 183, 594, 311	80.6
1956	498	23, 289	17, 262, 050, 120	21, 636, 748, 986	79.8
1955	482	23,618	15, 704, 708, 812	19, 513, 933, 811	80, 5
1954	472	23, 869	15,045,342,071	17, 554, 527, 504	85,8
1953	471	23,652	15, 393, 546, 062	17, 785, 416, 854	86.9

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1939-60

City and year	Estab- lish- ments	Employees	Salaries and wages	Value added by manufacture	Cost at plant of materials used	Selling value of factory shipments ¹
	num	ber		doll		
Montreal:		1				
1939	2,501	105,315	114,602,118		254, 188, 246	483, 246, 583
1944	3, 109	185,708	308, 396, 358		650,618,563	1,215,988,014
1949	4,136	184,779	399, 943, 526		847, 444, 669	1,596,713,694
1953	4,398	193, 129	544, 284, 191	Not Available	1,067,911,378	2,042,662,785
1955	4,379	176,998	529,339,811		1,021,717,306	1,963,367,235
1956	4,289	182,759	582, 256, 675		1, 175, 253, 762	2,207,686,246
1957	4,268	183,996	611, 657, 486		1,214,443,559	2,288,258,169
1958	3,943	173,582	601,773,312	1,039,159,993	1,198,525,280	2,265,810,124
1959	3,951	173, 279	626,970,086	1,086,276,852	1,231,974,393	2,334,129,536
1960	3,996	171,621	643, 387, 247	1, 118, 350, 304	1,224,513,359	2,349,783,042

TABLE 16. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada,

1939-60 - Concluded										
City and Year	stab- ish- ents	Employees	Salaries and wages	Value Added by Manufacture	Cost at plant of materials used	Selling value of factory shipments				
	num	nber		do	llars					
	2,885	98,702	122,553,435		240, 532, 281	482, 532, 331				
	3,344	154,538	260, 776, 613		513, 429, 109	1,020,345,353				
	4,005	158,562	368, 510, 524	not available	837, 148, 440	1,579,186,450				
	3,781	154,251	478, 086, 271	MOV WYALIADIC	980, 873, 073	1,875,747,2492				
	3,497	134, 235 133, 758	448,775,761		916, 493, 539	1,732,099,1232				
	3,312		470,860,187		962, 271, 402	1,797,706,1452				
	2,985	132,356 123,789	482, 758, 834 479, 767, 394	000 450 050	961,000,335	1,832,080,726				
	2,890	123, 763	503,765,998	828,472,850 852,074,583	970, 815, 693	1,816,970,306				
	2,971	120, 235	506, 872, 752	851,461,939	1,008,784,582	1,867,389,948 ² 1,872,972,293 ²				
	461	31,512	39, 563, 423		70,829,034	152,746,340				
	480	53,500	94, 982, 915		171,117,467	363,033,672				
	546	54,665	137,641,333	m=4 === 13-1-1	285, 180, 403	563, 982, 920				
	566	60,451	201,515,979	not available	385,515,852	824, 407, 315 ²				
	588	55,202	200,311,361		395,047,070	844,835,085 ²				
	585	58,742	232, 166, 085		498,410,570	987,728,9872				
	562	57,095	237,883,530		502,608,132	1, 031, 430, 8292				
	526	50, 269	219,874,661	469,562,377	433, 107, 263	926, 577, 799²				
	506	52,820	244,629,848	556,389,853	524, 165, 589	1,088,875,035 ²				
	534	50,850	243,415,160	516,552,881	494,976,608	1, 031, 197, 9442				
	222	17,729	25,938,890		63,907,106	122,474,320				
	231	35,912	80,667,573		232, 102, 240	387,603,874				
	283	34,591	94,304,627	not available	271,392,923	494, 162, 203				
	338	37,514	140,481,193		402, 209, 586	682, 273, 319 ²				
	334	25,654	101,810,378		186, 275, 443	374, 512, 418 ²				
	336	24,091	96, 798, 387		186,300,126	369, 790, 090 ²				
	318	29,377	122, 169, 670		290, 073, 160	533,531,6232				
	294	22, 295	103, 237, 036	184, 205, 919	219, 764, 980	418, 685, 5232				
	280	23,355	115,427,371	220, 324, 726	221, 182, 915	439, 252, 6122				
	287	22,152	112, 225, 758	214,719,901	244,010,059	467, 675, 6242				
		48	00 848 080		44 000 040	01 004 050				
	648	17, 571	20,717,273		44,873,043	81,024,272				
	686	25,870	38,824,299		119, 917, 745	198, 169, 626				
	860	28,687	58,604,162	not available	143, 827, 270 156, 860, 845	255, 006, 806 300, 186, 774 ²				
	860	28, 230	76,008,218 75,281,647		152, 575, 494	291, 084, 6112				
	873	26,392	80, 891, 909		163, 808, 668	309, 520, 043				
	869 856	26,629 27,039	83, 809, 725		166, 092, 377	314, 229, 185				
	748	25,867	85, 034, 125	148,589,522	169, 346, 502	321, 494, 854				
	794	25,864	88, 968, 328	165,938,159	172, 048, 819	340,717,738 ²				
	767	24,689	87, 508, 238	165,509,208	166, 238, 709	334, 895, 200 ²				
	829	17, 957	22,382,192		56,565,511	101, 267, 243				
	933	43,473	79,141,407		142,416,371	289, 390, 718				
	1,225	33,536	78, 793, 345	not available	204,642,985	358,620,526				
	1,316	33,822	108,896,725	not available	255,906,780	448,591,543 ²				
	1,330	34,683	120,488,180		276,666,483	489,181,449 ²				
		36,052	131,540,861		299, 290, 344	534,658,163ª				
	1,280	35,666	138, 199, 452		305,719,965	540,766,1232				
	1,157	32,765	134,591,149	221,615,521	293, 928, 717	521,449,3212				
	1,173	32,911	139,700,859	232,239,093	277, 475, 428	516, 907, 5522				
	1,189	32,059	142,578,640	229,474,007	275, 445, 595	516,525,7352				
1, 1, 1, 1, 1,	1,299 1,280 1,157 1,173 1,189	36, 052 35, 666 32, 765 32, 911 32, 059	138, 199, 452 134, 591, 149 139, 700, 859 142, 578, 640	232,239,093	305, 719, 90 293, 928, 7 277, 475, 4 275, 445, 5	65 17 28 95				

Net value is derived from gross value by deducting cost of materials, fuel and electricity. For cost of fuel and electricity in 1960 see Table 18.

Since 1952 the basis of collection was "Selling value of factory shipments" instead of "Gross value of products".

TABLE 17. Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto Hamilton, Windsor, Winnipeg and Vancouver, grouped according to the Number of Employees per Establishment, 1960

Metropolitan area, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling val of factory shipments
	num	ber		dollar	S	
-t1 Materialitan Area:			1			
ntreal Metropolitan Area: Under 5 employees	1,416	3,315	9,853,894	431,756	23,717,344	43,795,6
E 17 6	1,443	12, 464	39,632,050 110,593,216	1,504,253	.90,821,122	166, 145, 9
55 - 49 " 50 - 99 "	1,273 467	34, 758 32, 148	10, 593, 216	4,127,703 4,075,159	235,470,336	449,993,3 470 191 0
100- 199 44	222	30, 393	106, 703, 089	6, 449, 098	252, 687, 667	489,076,3
200 - 499 "	137	41,845 31,128	104,751,062 106,703,089 161,035,643 139,970,887	6, 449, 098 15, 321, 145 16, 302, 135	256, 830, 444 252, 687, 667 472, 357, 854 426, 755, 129	470, 191, 0 489, 076, 3 848, 924, 4 732, 747, 3
500 - 999 **	45	31, 128	139, 970, 887	16,302,135	426, 755, 129	732,747,3
1,000 - 1,499 "	8 13	9,579 42,243	45,930,600 203,815,563	3,098,740 4,191,971	256,070,626 236,993,167	329, 971, 552, 211, 5
Head offices 1	-	7,523	48, 324, 847	-	-	000,000,
			000 040 004	WW WAT 000	0 084 800 000	4 000 000
Totals	5,024	245,396	970,610,851	55, 501, 960	2, 251, 703, 689	4,083,057,
ronto Metropolitan Area:	4 000	0.400	0.011.000	455 055	14 000 040	00.041
Under 5 employees	1,303 1,346	3,139 11,428	9,311,550 40,515,935	475,055 1,714,378	14, 260, 349 69, 286, 402	32,041, 144,185,
5- 14 '' 15- 49 ''	1, 255	34, 188	129, 560, 150	5,636,936	263, 199, 618	514, 882,
50 - 99 "	438	30,740	117.583.905	5 577 CAO	285, 023, 203	E20 400
100 - 199 "	224	31, 152	126, 912, 746	6, 222, 578	255, 053, 845	511, 141,
200 - 499 " 500 - 999 "	124 35	37,784 23,909	163, 157, 678	5 351 077	176 018 139	392 703
1,000-1,499 "	. 10	12,830	111, 428, 764 62, 585, 397 79, 311, 323	6, 222, 578 8, 103, 223 5, 351, 077 2, 328, 601	322, 480, 307 176, 018, 139 130, 792, 156	240,039,
1,500 and over	6	15,642	79, 311, 323	2,528,033	195, 960, 583	511, 141, 655, 389, 392, 703, 240, 039, 315, 326,
Head offices ¹	4 741	5, 622 206, 434	38,970,880	37,937,529	1,712,074,602	3, 342, 137,
Totals	4,741	200, 434	879, 338, 328	31,331,323	1, 112,014,002	3, 314, 131,
milton Metropolitan Area: Jnder 5 employees	212	471	1.357.977	97,732	1,945,479	4,453,
	188	1,645	1,357,977 5,739,164 15,244,190	366, 301	9,851,468	21,037,
15 - 49 ''	146	3,933	15, 244, 190	1,382,512	24,516,231	55, 137,
50 - 99 '' 100 - 199 ''	57 42	4,075 6,113	16,575,141 24,294,288	2,584,264 1,513,736	45,561,648 68,304,868	84,967, 118,043,
	33	10, 114	43, 358, 209	2,161,997	89 296 740	168, 854.
	11	7, 227	38, 320, 033	1,750,380	76,581,858	173,699, 12,028,
1.000 - 1.499	1	1, 187	4,719,467	790,541	76,581,858 3,743,366 213,947,282	12,028, 466,680,
1,500 and over Head offices ¹	5	20,463	4,719,467 109,560,410 1,787,567	13,975,059	213, 947, 282	400,080,
Totals	695	55, 613	260, 956, 446	24, 622, 522	533, 748, 940	1, 104, 903,
ndsor Metropolitan Area: Under 5 employees	. 141	330	898,799	58,397	1,172,920 4,747,076 11,602,094 7,679,381	2,873, 11,185,
5- 14 "	103	882 2,077	3,107,321	198, 488 474, 273	4,747,076	11, 185, 28, 814,
15 - 49 ** 50 - 99 **	81	1, 127	3,107,321 8,053,773 5,250,463	296, 266	7, 679, 381	18,611,
100 - 199	20	2,714	12, 366, 176	764, 221	31, 132, 697	60,589,
200 - 499 **	13	3,628	17, 108, 522	1,036,732	24, 782, 791 39, 700, 529	61,092,
000 000	3 2	2,712 10,300	13, 578, 413 58, 394, 294	628, 331 2, 680, 996	137, 962, 702	83, 087, 228, 528,
1,500 and over	380	23,770	118, 757, 761	6, 137, 704	258, 780, 190	494, 784,
Totals	360	25, 110	110, 101, 101	0, 101, 102	200, 100, 200	201, 101
nnipeg Metropolitan Area: Under 5 employees	330	760	2,095,618	127,779	3, 147, 822	6,680,
5- 14 ''	271	2,339	2,095,618 7,224,740	498 604	16 340 883	31,793,
15 - 49 "	237	6,564	22, 186, 972	1,171,276	50,943,821	93,613,
100 - 100 **	109 43	7,684 5,846	27, 173, 945 21, 088, 880	2, 458, 147	59, 886, 781	107, 208,
200- 499 "	19	5, 185	19,865,058 15,070,011	1, 171, 276 1, 466, 225 2, 458, 147 1, 104, 200	50,943,821 57,706,406 59,886,781 42,848,347	112,410, 107,208, 78,084,
500- 999 1	5	3,432	15,070,011	481,123	51,815,325	85,682,
1,000 - 1,499 '' 1,500 and over	2	2,303 1,898	9,934,167 7,497,426	487, 431 246, 844	47, 844, 776 12, 167, 355	64,658, 20,093,
Head offices ¹		296	1, 338, 915	-	-	
Totals	1,017	36, 307	133, 475, 732	8,041,629	342,710,516	600, 225,
ncouver Metropolitan Area:	pt q. 4	4 500	4 601 004	000.047	7 450 700	16,071,
Under 5 employees	711 504	1, 597 4, 215	4,661,004 15,470,370	289,617 881,764	7,458,739 23,843,498	51 080
	370	9,840	40,848,717	881,764 2,692,136		165,513,
50 - 99 **	103	7,386	22 128 100	2 404 477	70, 854, 760	134,084,
	67 29	9,141	41,442,941	4,746,787	128, 858, 648	225, 625,
200 - 1499 " 500 - 999 " 1,000 - 1,499 "	11	7, 512	41, 442, 941 42, 795, 079 34, 789, 551 13, 825, 467 9, 367, 669	4,746,787 3,202,701 1,609,833 435,257	70,854,760 128,858,648 132,894,128 65,577,045 13,803,349	165, 513, 134, 084, 225, 625, 218, 047, 123, 416, 34, 548,
1,000 - 1,499 ''	2	7,512 2,711	13,825,467	435, 257	13, 803, 349	34,548,
Head offices1	_	1,381	9,367,669	to the	_	

¹ Under this heading are included only those head offices that are not located at the plant.

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1960

Note: Statistics for cities and towns with three or more establishments cannot be published when one establishment has 75 p.c. or two establishments 90 p.c. of the total Value of Shipments.

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
N	num	ber		doll	ars	
Newfoundland: Carbonear	6	162	361,538	1,610,406	665, 480	2, 196, 347
Harbour Grace	7	168	419,576	946,646	624, 272	1,605,379
ST. Johns	85	2,565	7,842,917	12,606,049	17,088,653	29,917,507
Prince Edward Island:						
Charlottetown Summerside	34 20	697 267	2, 140, 585 714, 079	9, 797, 272 3, 443, 877	4,501,664 1,779,947	14, 469, 772 5, 254, 724
Nova Scotia:						
Amherst	26	1,019	3,377,712	4, 523, 406	6, 188, 674	11,060,680
Antigonish	10 11	93 394	296, 668	825, 008 3, 629, 805	580, 940	1,414,756
Bridgetown	7	125	943, 000 330, 584	1,010,003	1, 931, 908 617, 980 867, 876	5,505,634 1,717,436
Bridgewater	16	185	330, 584 524, 060	1.040.121	867,876	1,839,292
Dartmouth Glace Bay	20 18	598 271	2, 199, 461 519, 413	1, 771, 836 1, 068, 762	4, 048, 862 802, 348	5, 886, 916 2, 023, 712
Halifax	105	4, 264	13, 595, 530	29, 633, 737	29, 459, 919	60, 137, 381
Kentville	11	299	769, 798	1,822,708	1,606,322	3, 599, 818
Lunenburg	3 15	226 745	408, 479 2, 130, 214	1,010,127	575, 014 3, 433, 170	1,748,452 8,067,823
Middleton	5	115	245,002	4, 781, 231 987, 224 3, 291, 487	310, 165	1, 389, 144
New Glasgow	26	573	1,813,313	3, 291, 487	3, 281, 316	1, 389, 144 6, 744, 834 3, 201, 962
North Sydney	13 11	207 396	653,069 1,309,813	1,522,764 1,890,678	1, 649, 297 2, 208, 850	3, 201, 962 3, 927, 996
Shilburne	15	191	419, 180	1, 148, 391	684, 708	1,883,973
Stellarton	10 10	150	302,852	684, 298	383,889	1,061,067
Trenton	29	828 1, 129	3, 290, 740 2, 557, 920	5, 491, 567	4, 523, 551 5, 136, 380	11, 966, 648 10, 794, 563
Windsor Yarmouth	8 28	310 951	680, 853 2, 141, 499	7, 212, 640 5, 491, 567 1, 738, 283 5, 657, 990	529,008 4,460,416	2, 541, 814 9, 858, 949
			-,,			-,,
New Brunswick: Campbellton	14	145	400, 584	994, 578	905, 823	1, 978, 810
Fredericton	38	1,067	3, 192, 826	5, 445, 514	5, 801, 884	11, 474, 014
Grand Falls	13 5	102 74	225, 278	5, 445, 514 602, 200 682, 124 12, 415, 970 27, 140, 038	383,343 528,178	1,069,311
Hartland Lancaster	8	980	177, 127 3, 949, 079	12, 415, 970	11,674,669	1,305,631 24,647,783 42,018,022
Moncton	61	2, 566	9, 360, 317	27, 140, 038	14, 263, 071	42,018,022
Newcastle Saint John	10 91	488 3,372	1, 928, 967 11, 374, 732	4, 574, 200 68, 334, 704	218, 351 36, 237, 218	5, 241, 154 102, 434, 819
Saint Stephen	14	440	1,026,805	1,891,861	1,725,262	3,659,687
Shippegan	6	273	430, 199 708, 195	1, 119, 881 2, 101, 591	554, 782 1, 333, 039	1, 785, 295 3, 531, 286
Sussex	13 10	245 86	201, 428	774, 475	402, 852	1, 216, 526
Quebec:						
Acton Vale	14	1, 295 97	2, 945, 120	7, 993, 468	5, 208, 346 430, 774	13,420,929 1,208,850
Amos	16 15	135	259, 320 351, 067	735, 273 1, 104, 261	497, 829	1,639,483
Arthabaska	12	299	633, 848 207, 664	717, 067	778, 724	1, 492, 596 1, 315, 457
Ayer's Cliff	6 12	120 141	207, 664 376, 133	829, 385 675, 953	480, 577 593, 318	1, 315, 457
Beauceville E	20	1,766	7, 813, 199	15,709,953	18, 363, 920	38, 225, 769
Beauport	16	421	1, 288, 076 1, 921, 248	2, 465, 675 1, 800, 106	2, 344, 243 4, 083, 112	4,890,102 5,835,063
Beebe Plain	12	614 188	477, 945	677 778	794 909	1, 472, 227
Beloeil	12	134	392,008	467, 721 2, 980, 355 27, 167, 612	678, 409 3, 521, 790 21, 306, 376	1, 169, 005
Berthierville	18	610 2,747	1, 542, 003 8, 838, 524	2, 980, 355	3,521,790	1, 472, 227 1, 169, 005 6, 328, 411 50, 013, 653
Cap-de-la-Madeleine Chambly	43 .	200	468, 229	1, 259, 490	997, 028	2, 371, 219
Charlesbourg	18	136	334, 128	881, 267	467, 612	1, 407, 305
Charny	6 41	202 569	508, 394 1, 733, 217	1,460,917 4,471,077	897, 229 3, 215, 935	2, 417, 749 7, 832, 372
Chicoutimi Chomedy	16	200	698, 267	1, 290, 0.14	1, 347, 065	2,638,024
Coaticook	18	1,087	2, 774, 552	4, 199, 413	4, 401, 783	8, 513, 907
Cookshire	7 15	204 1,652	551, 201 4, 988, 464	994, 791 9, 425, 229	968, 857 9, 750, 805	2, 015, 408 19, 256, 328
Cowansville	10	224	4, 988, 464 621, 936	9, 425, 229 1, 063, 525	1, 224, 048	19, 256, 328 2, 334, 713
Disraeli	10	144	320,561	849, 851 1, 152, 629	506, 189 902, 421	1, 401, 059 2, 090, 510
Dorion	14 16	254 348	537, 491 1, 345, 959	3, 338, 026	4, 875, 525	8, 195, 050
Drummondville	68	6,014	19, 429, 842	35, 902, 866	42, 627, 514	80 349 979
Farnham	24	1,081	3, 257, 245	6. 190. 776	6,003,831	12, 563, 305 5, 074, 457 5, 852, 757 96, 885, 870
Fort Chambly	8 17	512 556	1,612,295 1,657,228 22,931,334	2, 511, 350 2, 590, 395 50, 902, 454	2, 562, 988 3, 298, 762	5, 852,757
Giffard Granby	84	7, 176	22, 931, 334	50, 902, 454	45,546,311	96, 885, 870
Grand-Mere	30	2,336	8, 421, 254 416, 716	13, 586, 374 665, 180	16, 350, 999 1, 063, 315	31.406.809
Greenfield Park	7 5	116	416,716	1 253 541	155, 145	1, 742, 482 1, 412, 669
Henryville	52	3, 116	12, 603, 795	28, 642, 335 6, 909, 165 1, 593, 055 7, 829, 510	24, 178, 178	54, 219, 622
Huntingdon	15 21	641 346	2, 355, 109 1, 015, 952	6, 909, 165	4, 054, 853 2, 263, 689	11, 173, 277 3, 887, 845
Iberville						

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1960 - Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nun	ber		dol	lars	
uebec - Continued:						
Joliette Jonquière	56 18	2, 219 520	6,795,651 1,977,995	15,535,521 3,205,133	13, 617, 175 3, 975, 264	29,820,762 7,286,309
Lachine	87	12, 167	55, 159, 765	94, 630, 161	90, 459, 094	188, 144, 952
Lachute	23	687	2, 152, 174	5,005,063	3, 378, 708	8, 621, 624
La Malbaie	10	108	233.671	813,046	539, 536	1, 386, 062
La Pérade La Petite Rivière	13	159 138	357, 316 404, 095	2,740,309 496,869	967, 654 844, 731	3,816,692
La Prairie	18	593	2, 254, 432	2, 410, 157	4,817,335	1, 385, 197 7, 506, 228
LaSalle	57	5, 314	2, 254, 432 23, 779, 969	70,924,266	78, 193, 476	151,896,573
Laurier Station Laval-des-Rapides	3	94	268, 376	417, 459 773, 028	656, 812	1,054,608
Lennoxville	19	180 287	519,702 1,024,513	2, 222, 127	921, 591 2, 101, 116	1,690,356 4,499,225
L'Epiphanie	14	216	649,955	1,689,387	1, 117, 093	2, 844, 849
Lévis	24	542	1, 497, 617	2,775,030	2, 657, 665	5, 430, 308
L'Isletville	14 31	347 3,399	1,027,432 15,008,478	1, 343, 722 15, 001, 209	1, 447, 063 17, 650, 562	2,777,991 33,781,462 3,707,490
Loretteville	26	451	1, 113, 173	1,731,057	1, 904, 940	3, 707, 490
Louiseville	21	1,018	1, 113, 173 2, 650, 515	4,747,668	1, 904, 940 5, 467, 533	10,560,849
Magog	35	2, 469	7, 412, 009	32, 264, 183	14, 544, 374	46, 921, 875
Maniwaki Marieville	17	199 558	549, 893 1, 494, 478	1, 337, 962 7, 550, 805	930, 811 2, 932, 626	2, 323, 511 10, 664, 353
Matane	21	213	557, 714	1, 062, 760	984, 523	2, 092, 014
Mégantic	27	537	1, 291, 384	2, 494, 895	2, 101, 683	4, 789, 724
Mont-Joli	18	262	743,760	2,054,904	1,606,380	3,720,660
Mont-Laurier Mont-Royal	26 56	320 6, 294	833, 381 26, 718, 516	1,817,252 80,175,444	2, 112, 232 53, 847, 054	4,011,726
Montmagny	37	1, 273	3, 774, 025	9,647,921	7, 647, 283	174, 503, 223 17, 206, 912 2, 349, 783, 042
Montreal	3, 996	171, 621	3,774,025 643,387,247	1, 224, 513, 359	1, 118, 350, 304	2, 349, 783, 042
Montreal East	42	6,927	34, 301, 216	480, 943, 803	118, 906, 795	618, 042, 404
Montreal North	78 17	1, 379 326	5, 385, 046 849, 517	10,612,972 2,998,931	9,660,443 1,644,699	20, 526, 857
Outremont	85	2, 864	10, 427, 175	23, 277, 353	20, 016, 427	43, 588, 651
Plessisville	27 17	929	3, 391, 222	6,097,669	5, 620, 826	11, 786, 394
Pointe-aux-Trembles		1, 121	4,510,848	36,760,743	13, 751, 062 11, 013, 821	52, 602, 542
Pointe-Claire Pont-Viau	13 16	694 270	2, 696, 648 782, 870	8, 282, 403 1, 576, 561	11,013,821	19, 411, 148 2, 987, 224
Princeville	15	575	1, 676, 893	7, 727, 696	1, 370, 803 3, 543, 812	11, 225, 975
Quebec	412	14, 696	50,962,007	107, 252, 239	106, 179, 632	218, 453, 875
Quebec West	13	103	315,978	785, 763	555,850	1, 372, 552 1, 161, 590
Richelieu Richmond	12	148 693	427, 233 1, 766, 379	551,797	572, 194	1, 161, 590 7, 720, 358
Rimouski	42	505	1, 573, 129	4,521,815 3,002,640	3, 184, 214 3, 654, 841	6, 761, 538
Rivière des Prairies	11	478	1,736,973 539,427	3, 382, 521	3, 144, 724	6, 761, 538 6, 253, 789
Rivière du Loup	23	236	539, 427	949,696	950, 933	1,944,971
Rock Island Rougemont	12	594 105	1,875,503 174,630	1, 383, 024 655, 018	3, 934, 937 393, 431	5, 354, 317 1, 257, 112
Rouyn	26	209	634, 524	1, 199, 888	1, 360, 949	2, 643, 125
St-Casimir	13	234	495,681	1, 260, 540	1, 466, 597	2, 769, 527
St-Césaire	25	362	850, 155	2, 297, 571	1, 427, 997	3, 769, 367
Ste-Croix	6 7	80 231	227,899	984, 132 883, 646	446, 646 882, 424	1, 397, 615
St-Denis.	8	148	546,785 227,593	889, 545	458, 351	1, 718, 094 1, 270, 117
St-Emile	9	349	884, 156	1, 515, 784	1, 288, 806	2,838,298
St-Eustache	21	204	587,530	1, 250, 877	888,005	2, 191, 134
St-Félicien St-Félix-de-Valois	20 18	225 167	612, 226 345, 709	1,976,686 3,555,076	1, 426, 943 773, 086	3, 420, 420 4, 357, 864
Ste-F'ov	11	195	700, 528	1, 984, 678	1,638,774	3, 686, 078
St-Gabriel-de-Brandon	21	406	807, 950	1, 196, 494	1, 118, 517	2, 357, 245
St-Georges (Beauce)	14	486	1,062,535	1, 385, 708	1, 613, 599	2, 357, 245 3, 090, 787
St-Guillaume	6 81	4,005	67, 482 11, 358, 894	1, 247, 479 30, 703, 108	463,772	1, 725, 230
St-Jacques	11	177	331,633	1, 831, 235	24, 579, 003 505, 248	55, 868, 212 2, 353, 835
St-Jean	78	4, 575	16,632,228	34, 201, 885	30, 033, 106	67, 118, 467
St-Jerome, St-Jean Co.	10	107	16, 632, 228 377, 570 10, 496, 215	1,010,222 20,088,717	672, 472	67, 118, 467 1, 716, 741
St-Jérôme, St-Jean Co. St-Jérôme, Terrebonne St-Lambert.	69 27	3, 391	10, 496, 215	20,088,717	18, 844, 913	39, 464, 371
St-Laurent	104	987 18, 203	3, 206, 970 89, 147, 618	6,090,711 96,354,222	5,668,013 149,550,687	11, 815, 824 247, 635, 747
St-Leonard-d'Aston	9	133	247, 924	806, 092	365, 804	1, 243, 372
St-marc-des-Carrières	9	155	404,756	301,641	681, 115	1, 154, 757
St-Marie	21	1, 050	3, 033, 756	7, 562, 663	8, 004, 017	15, 662, 979
St-Pie	121 17	2, 702 257	10, 206, 399	20, 527, 111	23, 508, 130	45, 059, 134
St-Raymond	16	250	534, 481 631, 441	1,831,627 1,662,131	1, 076, 280 1, 251, 843	2, 994, 884 2, 950, 050
St-Rémi	17	551	1, 424, 403	4,899,582	3, 978, 767	8,835,929
Ste-Rose	6	105	415, 284	1,074,375	975, 344	2, 056, 501
Ste-Thérèse St-Tite	33 24	1, 190	3, 982, 730	8,508,938	7, 681, 133	16, 034, 483
Sept-Iles	24 17	418 110	951, 386 350, 357	1,815,091 528,623	1, 553, 184 880, 081	3, 379, 512 1, 455, 832
Shawinigan	45	5, 645	26, 827, 864	53,019,675	61, 343, 286	123, 397, 963
Shawinigan S.	10	94	275, 977	1, 166, 276	661,585	1,824,553
Shawville	10	84	222, 182	923, 716	299,522	1, 291, 749
Sutton	125 13	7, 286 236	23, 525, 858 608, 646	52, 769, 846 2, 071, 225	49, 037, 346 891, 659	103, 033, 083
Terreponne	22	627	1,860,855	3, 656, 421	2, 922, 873	2,965,172 7,058,887
Thetford Mines	33	340	1, 150, 727	1, 631, 820	2, 336, 968	4, 092, 746
Three Rivers	89	7,981	31, 782, 632	59, 774, 109	66,035,085	134, 822, 735
Trois Pistoles	14 9	189 324	460, 232 1, 084, 546	2, 304, 775 1, 779, 392	949, 996	3, 304, 625 2, 877, 461
Val d'Or	9	374	1. 1184 546	1. 779. 392	1,051,908	

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1960 — Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nu	mber		dol	lars	
Quebec - Concluded:		1		1		1
Valleyfield	47	2,985	10, 046, 337	22,762,743	25,042,039	49, 241, 636
Verdun	73	1,750	5,302,904	7, 768, 142	9,020,583	16,999,955
Victoriaville Warwick	59 12	2,479	6, 780, 531	13, 534, 084	11, 161, 291	25, 250, 477
Waterloo	23	1,022	1, 143, 692 2, 666, 637	2, 999, 811 3, 669, 182 1, 291, 092	2,061,866 3,572,613 457,920	5, 311, 993 7, 323, 806
	12	197	358.581	1, 291, 092	457, 920	1, 811, 633
Westmount	43	1,861	7,885,032	12, 446, 299	19, 286, 334	1,811,633 31,866,073
Ontario:						
Acton	19	883	3, 119, 603	7,898,677	5, 320, 452	13, 413, 461
Ajax	39	1,788	3, 119, 603 6, 948, 357 602, 056	16.618.047	13,076,818	30, 165, 228
Alliston Almonte	12 10	196 188	558,871	1,524,322 3,446,337	1, 329, 584	2, 883, 467
Arnprior	18	907	3, 234, 153	3, 828, 285	859,875 7,716,823	4,379,834
Arthur Aurora	8	51	127,442	1, 106, 428	227,086	4, 379, 834 11, 735, 102 1, 343, 786
Barrie	17 43	993 2, 068	3,730,067 8,159,056	10, 362, 987 19, 524, 453	11,676,716 19,098,769	22, 445, 209
Beamsville Belleville	10	145	425, 222	829, 858	587, 536	38, 476, 826 1, 465, 542
Blyth	65	3, 372	425, 222 13, 971, 381 185, 698	19, 458, 301	30, 367, 895	48.957.924
Brampton	6 54	2, 249	185,698 8,934,599	1,878,046 16,219,557	356,093	2, 256, 149
Brantford	171	10, 118	40,089,235	78, 582, 641	17, 424, 011 73, 692, 897	34, 296, 463 158, 762, 435
Brighton Brockville	13	183	484, 226	1,438,774	979,432	2, 519, 228 65, 747, 043
Burlington	44 51	3,028 1,988	12,093,345 7,775,313	38, 647, 497 20, 902, 157	27, 057, 730 15, 894, 635	65,747,043
Campbettiord	22	313	903, 311	2-201-789	1,734,402	37,439,774 4,007,655
Cannington	7	63	185,945	543,611 2,178,740 1,334,724	465,730	4,007,655 1,042,646
Carleton Place Casselman	14 10	374 83	1, 174, 341 222, 296	2, 178, 740	2,031,520	4, 236, 441
Chatham	76	3,672	15, 489, 006	79, 197, 504	834, 345 33, 743, 549	2, 227, 610
Chesley	10	201	587,400	640,637	756,678	114, 362, 956 1, 361, 166
Clinton Cobourg	13 33	227 1, 214	651,038 4,863,128	2, 158, 734 11, 489, 594	924,370	3, 145, 921 27, 744, 022
Collingwood	25	1, 535	5. 032. 323	9, 247, 127	16,085,153 8,469,593	17, 965, 474
Cornwall	54	5,043	5,032,323 21,937,673	9, 247, 127 37, 102, 607	42, 337, 131	85.030.551
Desoronto	8	231 418	638,381	1,871,924	1, 362, 828	3, 192, 967
Dundas	38	1, 202	4, 626, 126	5, 622, 868	3, 648, 344 7, 282, 789	7, 917, 787 12, 515, 268 11, 858, 289
Dunnville	15	1, 136	2, 951, 034	6,900,051	5, 146, 360	11,858,289
Durham Eastview	14 21	202 412	600, 447	1, 196, 798	1, 252, 175	2, 401, 935
Eganville	9	95	1, 731, 768 284, 335	5,915,623 989,068	3, 134, 060 614, 820	9,078,877 1,657,947
Elmira	22	749	2,746,300 810,433	7,581,869 2,131,255 1,614,373	6,350,720 1,748,065 874,953	14, 238, 723
Essex Exeter	11 10	230 186	810, 433 513, 877	2, 131, 255	1,748,065	3,998,315
Forest	10	150	377,422	1, 249, 664	528,060	1, 897, 579
FOR Erie	28	897	3,685,064	8, 525, 561	528,060 11,073,856	2,652,479 1,897,579 19,705,610
Fort William Galt	66 99	2, 696 7, 150	12, 811, 274 27, 587, 525	28, 193, 505 48, 888, 160	33,643,683 53,778,155	66,656,125
Gananoque	16	848	3, 392, 970	5, 795, 420	5, 499, 012	102, 950, 395 11, 274, 491
Georgetown	24	1, 365	3, 392, 970 5, 786, 833 747, 119	5, 795, 420 11, 927, 488 1, 276, 540	8, 015, 152	20, 103, 781
Goderich	17	264 407	1, 496, 796	4, 675, 043	1, 292, 121 3, 092, 121	2,547,817 7,789,431 3,320,313
Gravenhurst	12	282	990,660	1, 586, 295	1,602,711	3, 320, 313
Grimsby	18 113	283 6, 456	956, 273 25, 393, 291	1,794,673 44,287,049	1,570,272	3, 436, 833 92, 226, 107
Guelph Hamilton	534	50.850	243, 415, 160	494, 976, 608	47, 571, 558 516, 552, 881	1, 031, 197, 944
Hanover	24	1,012	243, 415, 160 3, 014, 043	6,034,517	4.590.610	10.728 554
Harriston Hespeler	11 18	153 1, 168	419,565 3,988,410	1,490,687 9,683,321	653, 561	2, 218, 009 16, 974, 792
Huntsville	15	270	858, 529	2, 212, 511	7,561,880 1,124,839	3, 802, 412
Ingersoll Kemptville	27	983	3, 564, 229	12, 795, 483	7,993,039	3, 802, 412 21, 713, 232
Kincardine	9 14	96 483	332, 362 1, 153, 227	2,072,524 2,036,588	879,004 1,667,768	3,035,353
Kingston	71	5,678	24, 686, 632	47, 644, 783	55, 836, 940	3,607,969 107,409,847
Kitchener	201	16,001	61.499.418	131,026,629	109 920 200	241, 096, 659
Leaside	48	6,725 1,792	29, 412, 442 5, 747, 542	54, 405, 984 8, 950, 234	44, 636, 705 11, 143, 695 2, 961, 360	99, 780, 727 20, 392, 106
Lindsay Listowel	13	584	1, 596, 360	3,873,310	2, 961, 360	6, 482, 936
Lionout	288	15, 417	62, 517, 813	117,030,162	123,780,037	6, 482, 936 245, 133, 807
Long Branch	24	1,034 41	4, 239, 431 106, 999	10,534,891 1,356,397	11, 328, 122	22, 358, 260
Lucknow Markham	14	269	875.013	1, 973, 102	181,674 2,927,759	1,571,218 4,955,578
Meaford	19	551	875,013 1,465,591 3,887,866 3,279,139	1,973,102 2,310,113 10,328,127	2, 485, 231 7, 517, 764	4.808.848
Midland	28 17	1, 257 730	3, 887, 866	10, 328, 127	7, 517, 764	17,862,639
Milverton	11	170	492,775	5,867,679 781,478	7,030,489	13, 171, 434 1, 532, 387
Mimico	39	1, 189	4,711,551	9,384,014	10,081,449	19,482,032
Mount Forest	16	302	717,358	2, 782, 520	1,048,849	3,901,598
Napanee	17	446 161	1,601,878	4, 187, 554 627, 615	2, 844, 934 635, 046	7, 211, 460 1, 260, 695
Newcastle	13	384	464, 699 1, 062, 943	1.275.372	2, 296, 544	3,561,860
New Hamburg New Liskeard	15	462	1,651,991	2,945,679	2,350,586	5, 422, 325
Mewillarket	24 37	1, 160	4, 134, 159	7,565,248 92,727,381	7, 993, 186	16,086,602
New Toronto Niagara Falls	37 15	6,817 3,737	34,409,933 16,207,057	92,727,381 29,401,381	74, 267, 593 30, 629, 999	171,621,361 62,853,979
North Bay	30	641	2, 452, 193	3,720,830	3,811,558	7,689,377
Norwich	7		161, 347	421,690		

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1960 - Continued

or Over, and with three or more Establishments, 1900 - Continued									
Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments			
	nun	number dollars		dollar					
Ontario - Concluded:		1		1		2, 503, 899			
Orangeville	15 58	2, 329	456, 709 8, 317, 574	1,371,999 11,746,733	1, 184, 867 13, 424, 101	25, 813, 953			
Orillia Ottawa	238	9,275	37, 249, 015	59, 380, 796 10, 753, 241 6, 930, 518	13, 424, 101 76, 056, 405	137, 479, 803			
Owen Sound	51	2, 136	7, 342, 139 3, 640, 342	10,753,241	12, 247, 564 5, 698, 768	23, 167, 642 12, 477, 876			
Paris Pembroke	28 30	1,140 1,429	4, 670, 690	8,832,032	9, 522, 271	18, 267, 668			
Penetanguishene	11	318	853,326	1, 142, 353	1, 254, 018	2,485,065 10,021,461			
Perth	27 86	863 8,649	2, 583, 217 41, 529, 577	4, 987, 827 58, 385, 321	5, 183, 029 68, 998, 490	130, 125, 709			
Petrolia	15	161	528, 236	1,763,377	1, 301, 695	130, 125, 709 3, 059, 522 50, 100, 812			
Port Arthur	59	2,392	10,929,679	23, 465, 267	24, 861, 599	50, 100, 812 5, 156, 302			
Port Dover	9 7	328 159	821,613 365,517	3, 881, 538 495, 786	1, 177, 064 476, 098	1,000,346			
Port Elgin Port Perry	11	86	188, 152	916,044	314, 737	1, 255, 827 34, 309, 870			
Preston	47	2,738 835	10,066,946 2,802,303	18,759,800 4,796,956	15, 423, 757 4, 512, 805	9, 382, 146			
Renfrew Richmond Hill	27 25	469	1,661,676	4.711.399	3, 549, 192	8, 486, 590			
Ridgetown	14	300	909,324	2, 516, 744	1, 994, 986 945, 450	4, 544, 808 2, 580, 594			
Riverside	136	7, 429	554,634 33,405,990	1,617,551 49,065,455	54, 942, 450	106, 635, 215			
St. Catherines	. 14	718	2, 816, 366	7, 260, 146	10,945,582	19,043,843			
St. Thomas	60	2, 418	9, 244, 806	17, 384, 930 204, 544, 611	19,836,363 111,883,639	38, 462, 128 336, 773, 691			
Sarnia	47	6, 897 8, 828	38, 519, 848 47, 962, 643	82, 511, 803	82, 591, 055	170,038,097			
Sault St.Marie	13	264	688, 529	1,646,978	1, 220, 647	2,994,355 42,337,916			
Simcoe	33	1,418	5, 583, 536 2, 706, 588	24, 172, 200 4, 387, 864	17, 685, 664 7, 584, 441	12, 228, 558			
Smith's Falls Southampton	8	293	855, 180	1,574,925	1, 213, 351	2, 781, 763			
Stirling	9	144	367, 439	979, 990 3, 010, 242	559,693 1,304,151	1,561,411 4,480,955			
Stoney Creek	16 74	3,305	1,041,975 11,548,363	25, 826, 903	20, 396, 511	46, 379, 261			
Stratford Strathroy	23	590	1,749,864	3, 134, 450	2, 975, 851	6, 275, 493 10, 934, 389			
Streetsville	18	705 856	2, 886, 327 3, 947, 837	4, 675, 015 7, 862, 606	5, 958, 784 6, 761, 541	14, 921, 312			
Swansea Tavistock	17	93	241,814	897,061	435,843	1, 340, 149			
Thamesville	10	149	491,034	2,024,588 12,848,587	1,073,729 12,025,439	3, 144, 438 27, 055, 820			
Thorold	18	1,464	6, 678, 610 422, 204	668, 828	653, 851	1,407,044			
Tilbury Kent Co	31	1, 144	3,611,598	17, 673, 586	6, 185, 923	24, 336, 447 5, 156, 011			
Timmins	26	348	1, 043, 233 506, 872, 752	2, 392, 261 999, 132, 659	2,649,301	1.872.972.293			
Toronto	2, 971 28	120,335	5, 670, 870	11, 214, 458 1, 166, 540	851, 461, 939 14, 705, 146	25, 910, 892			
Uxbridge	14	176	572,304	1, 166, 540	1, 168, 871 2, 240, 531	2, 350, 985 5, 364, 441			
Walkerton	16	555 1,767	1, 642, 530 6, 844, 197	3, 091, 948 8, 138, 997	11, 269, 070	20,684,319			
Wallaceburg Waterford	28	156	401,399	1,030,379	803,891	1, 992, 954			
Waterloo	68	3,127	11, 997, 815	22, 356, 116 48, 996, 108	44, 269, 200 35, 723, 806	61, 408, 591 85, 545, 705			
Welland	51	3, 958 250	17, 236, 241 703, 124	1, 472, 574	1, 139, 384	2, 649, 715			
West Lorne	69	2,702	10, 684, 418	21, 256, 313	17, 109, 668 809, 734	40, 417, 583 1, 120, 576			
Wheatley	7	172 22, 152	428, 452 112, 225, 758	521, 322 244, 010, 059	214, 719, 901	467, 675, 624			
Windsor Wingham	287 18	396	1, 200, 868	2,711,304	2, 383, 901	5,323,040			
Wood bridge	12	182	640,648	1, 536, 123 41, 995, 270	1, 506, 138 27, 720, 820	3,056,329 71,399,543			
Woodstock	62	4, 113	15, 932, 349	41, 333, 210	21,120,020	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Manitoba: Brandon	41	778	2, 757, 680	9, 347, 112	4, 575, 409	14, 131, 439			
Dauphin	17	105	298, 779 1, 421, 976	1, 361, 512 3, 150, 368	552,991 3,550,948	6,693,052			
East Kildonan	23 11	409 250	538, 626	1,346,680	1, 231, 318	2, 748, 772			
Morden Neepawa	9	74	200,010	1,005,483	294, 281 39, 567, 291	1, 297, 402 167, 756, 877			
St. Boniface	86	5,017	21, 136, 140 11, 087, 441	124, 744, 591 19, 603, 761	20, 973, 269	41,008,810			
St. James	72	315	726, 139	1, 261, 298	1,462,960	2, 761, 462			
Steinbach	. 767	24, 689	87, 508, 238	166, 238, 709	165, 509, 208	334, 895, 200			
Saskatchewan:				0 500 000	C10 000	3, 209, 853			
Melville	11 47	118	357, 948 5, 564, 694	2, 533, 328 34, 629, 771	613, 288 12, 948, 482	48,077,338			
Moose Jaw North Battleford	14	142	426,098	1, 289, 867	1,050,680	2, 421, 703			
Prince Albert	31	880	3, 405, 394	13, 514, 435	8, 588, 470	22, 236, 435 99, 200, 024			
Regina Saskatoon	133 141	3,671 3,555	15, 248, 118 14, 386, 658	57, 578, 818 61, 959, 597	37, 455, 897 30, 778, 142	94, 416, 793			
Swift Current	18	231	811,682	3, 158, 527	1, 526, 683	4,890,432			
Weyburn	11	125	373, 360	1, 790, 644	1,588,905 1,778,235	3, 331, 102 5, 160, 946			
Yorkton	24	269	821,814	3, 267, 334	1, (10, 230	3, 100, 540			
Alberta:									
Barrhead	6		118,586	1,211,493	242, 175	1, 463, 182			
Calgary	366	10,673	44, 856, 584	150, 452, 489 162, 107, 927	93, 847, 676 100, 128, 089	246, 975, 621 264, 484, 111			
Edmonton	423 21	13, 261 365	51,650,995 1,143,901	2, 245, 344	2, 104, 815	4,408,804			
Innisfail	6	56	220,730	1,087,051	1,057,061	1, 842, 433 24, 523, 017			
Lethbridge			4, 847, 760 4, 751, 734	12, 252, 122 18, 054, 117	13, 112, 636 14, 908, 967	32, 973, 341			
Red Deer	33		1, 407, 580	5, 972, 993	3, 902, 605	9, 828, 928			
Rocky Mountain House	7	57	164, 769 202, 308	908, 551	262, 895 383, 261	1, 189, 812 1, 512, 321			
Wetaskiwin	1 11	76	202, 308	1, 128, 461	303, 201	. 1,012,021			

TABLE 18. Statistics of Manufactures of Municipalities, each with Selling Value of Factory Shipments of \$1,000,000 or Over, and with Three or More Establishments, 1960 — Concluded

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nun	nber		dol	lars	
British Columbia: Abbotsford. Armstrong Chilliwack Courtenay Cranbrook Creston Dawson Creek Duncan. Fort St. John Grand Forks Kamloops Kelowna Merritt Mission City Nanaimo Nelson New Westminster North Vancouver Oliver. Penticton. Port Coguitlam Port Moody Prince George Prince Rupert Quesnel Trail Vancouver Vernon Victoria Williams's Lake	11 10 27 15 13 11 16 13 4 4 11 28 34 37 7 14 32 22 22 102 69 9 31 18 18 18 18 18 18 18 18 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	185 116 381 100 122 157 188 121 54 102 363 3949 249 199 397 215 5,707 2,121 134 399 105 725 809 287 773 32,059 461 3,850	767,287 404,172 1,228,088 338,016 464,872 605,274 780,457 373,946 175,135 360,305 1,259,559 917,001 714,396 1,597,513 655,116 24,784,735 1,357,646 510,805 3,454,379 3,207,369 1,081,287 4,273,369 1,081,287 639,141 142,578,640 1,516,640 16,852,136	541,407 1,263,607 4,665,469 4,665,469 745,132 1,184,646 1,124,697 2,890,341 739,723 632,384 449,641 2,410,982 1,470,433 1,741,119 2,942,516 1,114,112 54,877,046 12,372,617 1,107,672 2,273,62,62 1,470,43 1,707,672 2,273,62,617 1,107,672 2,273,62,617 1,107,672 2,273,62,617 1,107,672 2,273,62,617 1,107,672 2,273,62,617 1,107,672 2,273,62,617 1,107,672 2,273,62,617 1,107,672 2,273,62,55 2,855,564 26,863,203 1,442,829	1,165,902 656,124 1,850,880 500,761 1,040,906 1,600,989 1,337,298 463,473 370,604 603,515 1,940,128 5,746,275 1,337,675 1,337,675 1,570,693 3,427,019 1,091,303 49,977,873 18,369,322 874,474 2,221,012 604,297 86,633,655 4,814,906 2,860,181 579,567 1,030,443 229,474,007 2,759,080 29,570,4212	1,852,33 1,968,21 6,540,61 1,266,72 2,258,20 2,777,96 4,575,11 1,221,17 1,022,44 1,093,32 4,480,13 12,348,19 2,872,54 1,093,32 4,480,13 1,024,97 3,404,55 6,501,62 2,285,10 1,725,93 30,160,17 15,647,65 1,325,93 30,160,17 15,647,47 1,554,76 1,554,7

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1960

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nur	nber		dol	lars	
				j.	1	
Newfoundland: Division No. 1 Division No. 2 Division No. 3 Division No. 3 Division No. 4 Division No. 5 Division No. 6 Division No. 7 Division No. 7 Division No. 8 Division No. 9 Division No. 10	178 24 25 32 39 41 123 86 79 8	3,761 759 622 49 2,123 1,503 439 117 105	10,757,261 1,261,159 918,146 81,810 10,750,046 7,862,913 725,646 162,312 146,133 37,762	19, 403, 199 3, 280, 645 2, 012, 102 126, 572 18, 931, 219 12, 354, 838 1, 988, 837 330, 260 442, 790 33, 335	21,330,325 1,379,332 1,485,141 162,204 24,287,734 14,349,375 998,619 163,059 444,577 49,903	41,011,492 4,687,697 3,670,513 301,984 47,201,704 27,960,877 2,931,686 515,277 919,610 83,738
Totals	635	9,489	32, 703, 188	58, 903, 797	64,650,269	129, 284, 578
Prince Edward Island; Kings County Prince County Queen's County Totals	38 64 82 184	322 538 946 1,806	566,303 1,119,423 2,569,191 4,254,917	2,233,689 6,095,346 12,891,025 21,220,060	894,428 2,487,431 5,308,501 8,690,360	3,173,875 8,627,169 18,430,317 30,231,361
Nova Scotia: Annapolis Antigonish Cape Breton Colchester Cumberland Digby Guysboro Halifax Hants Inverness Kings Lunenburg and Queens Pictou Richmond Shelburne Victoria Yarmouth	40 18 115 98 84 80 32 212 52 43 73 157 102 22 60 25 65	414 6,064 1,833 1,412 703 527 1,119 228 1,175 2,742 2,262 377 1,129	947, 289 363, 663 26, 395, 254 4, 202, 516 4, 119, 732 1, 204, 759 1, 100, 621 27, 712, 741 2, 673, 433 330, 361 2, 586, 284 8, 806, 808 7, 288, 041 763, 388 1, 300, 107 60, 281 2, 424, 847	2,952,160 1,121,735 41,586,629 10,599,967 6,935,054 3,566,932 2,798,904 85,563,524 5,592,560 1,302,552 10,654,107 18,047,550 15,799,217 1,797,300 4,612,356 178,411 7,183,883	1,435,632 693,919 42,240,204 8,473,004 7,508,362 1,854,579 1,866,087 62,194,757 4,887,590 498,619 5,369,113 17,786,573 11,400,922 1,040,173 2,478,250 130,180 4,950,273	4,615,371 1,829,783 87,484,799 19,430,886 14,863,661 5,501,194 4,700,901 151,781,340 10,987,758 1,881,165 16,261,817 36,919,508 27,489,703 2,912,914 7,287,496 316,129
Totals	1,278	28,606	92, 280, 125	220, 292, 841	174, 808, 237	406, 182, 088

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1960 - Continued

County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nur	nber		dol	lars	
ew Brunswick:					0.50 0.01	
Albert	17 44	152 626	444,971 1,338,141	1, 163, 026 5, 537, 034	950, 984 2, 770, 113	2, 263, 63 8, 262, 65
Charlotte	68	2,081	4, 284, 158	9, 983, 459	6,234,732	16, 372, 19
Gloucester	100 34	2, 038 313	6,879,384 524,103	15,926,738 3,053,004	14, 194, 001 704, 640	31,613,08
Kings	41	503	1,623,178	3, 512, 047	3, 642, 158	31,613,08 3,875,61 7,799,20 28,230,30
Madawaska	45	1,261	5, 116, 357 3, 215, 463	3, 512, 047 11, 266, 588	15, 142, 726	28, 230, 30
Northumberland	67 29	1,035 264	3, 215, 463 641, 677	7, 917, 824 952, 601	2,738,518 1,114,420	11, 192, 91 2, 165, 83
Restigouche	47	1,874	8,710,579	16,093,002	25, 281, 261	46,274,64
St. John	120	6,043	20, 410, 272 66, 871	86, 538, 952	54, 506, 326 120, 689	139,635,82 251,04
Sunbury Victoria	38	28 367	1, 018, 725	126,145 2,306,500	1,805,795	4, 227, 15 57, 283, 01
Westmoreland	154	3, 985	1, 018, 725 12, 787, 019	35, 846, 297	20,609,655	57, 283, 01
York	90	1,697	4, 525, 479	8,889,852	8, 219, 157	17,663,01
Totals	901	22, 267	71, 586, 377	209, 113, 069	158, 035, 175	377, 110, 14
uebec:						
Abitibi	164	1,559	4,063,067 11,772,597	10,660,474	7,073,251	18, 177, 16
ArgenteuilArthabaska	67 156	3, 293 4, 437	11,772,597 11,784,031	22, 234, 767 32, 997, 496	26, 149, 738 20, 628, 167	49, 254, 26 54, 371, 02
Bagot	78	1,866	4, 112, 762	15, 662, 901	7,907,617	23, 948, 30
Beauce	193	3, 416	8, 012, 473 20, 768, 086	19, 148, 418	16, 433, 502 46, 059, 755	36, 032, 86 92, 738, 99
Beauhamois	82 69	5, 450 385	856, 701	40, 832, 944 4, 582, 544	1, 525, 784	6, 160, 53
Berthier	112	. 1, 527	856, 701 3, 371, 701	7, 536, 190 2, 799, 210	1,525,784 7,001,812	14, 438, 45 4, 273, 68 7, 096, 3
Brome	71 46	429 409	811, 684 996, 648	2,799,210 3,875,330	1,340,465 3,111,271	4,273,68
Chambly	153	6,705	25, 860, 994	35, 115, 500	37, 944, 060	74, 778, 52 137, 284, 53
Champlain	236	7,806	27, 040, 710	70, 271, 191	62, 133, 272	137, 284, 53
Charlevoix Ouest	30 29	616 88	2,614,896 151,820	5, 377, 223 651, 233	6,632,561 284,598	13, 259, 9° 952, 40
Chateauguay	38	621	1,746,018	5, 989, 181	3,466,423	9,536,61
Compton	177 65	10,595 1,485	54, 374, 770	139, 975, 665 16, 536, 529	128, 535, 272 9, 635, 448	284, 977, 45
Deux-Montagnes	65	447	5, 146, 991 1, 121, 018	2,799,653	1,689,497	9, 536, 61 284, 977, 45 27, 543, 45 4, 597, 12
Dorchester	112	594	1,432,905	9,608,283	2,902,167	12,700,66
Drummond	131 100	6,368 1,264	20, 343, 774 2, 712, 837	46,335,136 6,861,908	44, 547, 511 4, 611, 859	93,000,82 11,743,73
Gaspé Est	85	1,075	3, 169, 082	6,847,906	5,323,357	13, 344, 44
Gaspé Ouest	27	452 337	1,329,580 839,055	28, 095, 310	5,548,078	34, 212, 92
Hull	56 71	5,645	24, 465, 689	2,889,942 48,741,175	1,650,434 49,406,064	4,645,75 104,369,63
Huntingdon	34	729	2,554,078	7,328,443	4,326,520	11,889,94
Iberville	37 27	421 451	1, 171, 206 629, 787	3, 262, 835 2, 101, 723	2, 563, 882 902, 856	5,873,08 3,045,71
Jesus Island	87	1,099	3,328,842	6, 131, 803	6, 422, 793	12,671,47
Joliette	143	3, 161	9,622,519 992,577	26, 193, 433 3, 942, 920	19,375,871 1,774,211	46, 792, 81
Labelle	83	463 648	1, 618, 190	4, 301, 465	3, 479, 901	5,835,36 7,934,75 77,494,21 38,706,94
Lac St. Jean Est	73	2,482	11,617,584	33,696,266	40,881,304	77, 494, 21
Lac St. Jean Ouest Laprairie	138 48	1,680 1,600	11, 617, 584 5, 554, 881 6, 269, 767	18, 741, 529 7, 469, 316	18, 118, 941 12, 039, 516	20, 236, 86
L'Assomption	73	1,867	6, 113, 705	17,682,538	8,302,309	25,061,5 46,059,8
Levis	90 88	4, 165 915	15, 567, 371 2, 239, 864	18,660,099 4,869,488	26,617,138 3,373,606	46,059,8 8,296,8
Losbinière	115	998	2, 151, 790	8, 214, 991	4, 192, 388	12, 530, 4
Maskinongé	70	1,577	3,822,612	8, 339, 902	4, 192, 388 7, 393, 321 3, 117, 782 1, 114, 062	16, 151, 8
Matapédia	61 61	577 307	1,585,259 682,035	2, 736, 943 2, 815, 715	3, 117, 782 1, 114, 062	16, 151, 8' 5, 941, 98 4, 006, 2'
Mégantic	117	1, 825	5,668,259	10, 288, 425	9,446,740	20, 055, 6
Missisquoi	80	3,527	10, 583, 823 954, 807	19, 267, 978	20, 707, 121 1, 683, 051	40, 431, 01 6, 604, 14
Montragny	61 80	446 1,582	4, 449, 264	4,800,749 12,672,797	8, 992, 886	21, 594, 22
Montmorency, No. 1 Montmorency, No. 2 Montreal Island	47	765	3, 273, 821	7,895,650	10,638,789	20 387 5
Montreal Island	4, 866	169 238, 936	411, 151 945, 332, 704	887, 354 2, 217, 442, 550	459,719 1,757,265,752	1,383,13 4,009,933,9 9,763,06
Napierville	30	639	1,582,770	5, 491, 207	4, 289, 379	9,763,0
Nicolet	108	901	2,074,886	9, 464, 418	3, 831, 298	13, 553, 10
Papineau	68 43	2, 053 406	8, 281, 631 1, 168, 318	21,371,029 3,747,255	16, 936, 175 1, 839, 146	40, 742, 45 5, 716, 10
Portneuf	161	3,035	11,051,497	21, 039, 453	23, 919, 772	48,714,0
Quebec	591 79	19,038	63.999.507	129, 507, 653	132, 065, 758	268, 139, 7
Richmond	64	4, 287 3, 568	17, 281, 337 13, 690, 178	18, 489, 478 28, 904, 874	30, 287, 616 23, 238, 095	52, 587, 83 54, 518, 73
Rimouski	134	1, 210	3,319,836	8,664,432	7, 156, 612	16, 136, 34
Rivière-du-Loup	91 90	663 1,617	1,543,555 4,082,066	6, 156, 510 17, 125, 663	3, 133, 725 6, 827, 521	9, 470, 4; 24, 800, 7;
Saguenay	68	2,390	12, 151, 715	32, 218, 528	33 538 723	74, 352, 31
Shefford	151	8,803	27, 404, 976	62, 056, 454	53,888,373	116, 426, 98
Soulanges	143 16	7,605 47	24,609,189 117,168	55, 308, 918 3, 191, 997	53, 888, 373 51, 232, 298 222, 778 24, 407, 135	107, 946, 20 3, 436, 5
Stanstead	94	4,520	117, 168 12, 877, 489 13, 613, 968	40, 136, 167	24, 407, 135	64, 625, 64
St. Hyacinthe	146 91	4,864 4,836	13,613,968 17,319,879	39,570,561 36,371,238	28, 583, 452 31, 587, 875	68, 784, 11 70, 704, 08

TABLE 19. Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions 1960 — Continued

and Census Divisions 1900 - Continued									
County and Census Division	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments			
	nun	ber		dollars					
Quebec - Concluded:		1		1	1	1			
St. Maurice	181	13,806	58,987,737	114,422,827	128,084,620	260,644,085			
Témiscamingue Témiscouata	92 66	2,007	8,160,548	110, 470, 539	28, 143, 951	142,612,343			
Terrebonne	244	558 6,462	1,386,906	3,855,605	2,607,857 36,233,324	6,576,081 79,990,759			
vaudreuii	62	628	19,952,896 1,473,366 7,097,186	42,588,971 3,773,283 23,781,454	2,641,914	6,531,292			
Verchères Wolfe	72 50	1,835 551	7,097,186 1,202,703	23,781,454	2,641,914 19,772,491	45,670,261			
Yamaska	42	361	787, 382	3, 187, 555 4, 105, 737	1,749,177 1,818,207	6,531,292 45,670,261 5,256,565 6,036,682			
Totals	11,961	433, 949	1,620,314,474	3, 881, 172, 827	3, 172, 769, 694	7, 206, 096, 003			
Ortodox									
Ontario: Algoma	99	9,918	52,044,881	00 110 004	00 504 005	107 000 400			
Brant	241	11.916	46,016,820	90, 118, 024 91, 433, 825	92,584,035 84,120,312	187, 839, 488 182, 153, 137			
Bruce Carleton	152 305	2,238 10,969	5,964,020 44,553,012 19,203,798	15,612,340	9,063,512	24,862,308			
Cochrane	90	4,080	19, 203, 798	69, 832, 111 38, 212, 449	88, 738, 208 51, 121, 454	160, 471, 803 92, 861, 805			
Dufferin	38	236	688,598	2,546,314	51, 121, 454 1, 542, 402	4,076,850 18,449,041			
Dundas Durham	44 72	706 2,480	2,218,825 10,232,001	12,489,637 75,577,341	5, 164, 275 19, 751, 278	18,449,041 95,980,117			
Elgin	115	3, 261	11.970.263	60, 454, 782	30,366,691	92,451,745			
EssexFrontenac	487 103	27,808	134, 132, 520	320,550,644 49,352,338	277, 242, 675	609, 167, 190			
Glengarry	45	5,810 424	1, 147, 772	7, 343, 105	56,633,075 3,289,570	109,960,274			
Grenville	62	2,649	11.030.013	7,343,105 34,382,107	3,289,570 26,204,300 22,748,880	10,791,554 62,912,230 49,425,850			
Haldimand	184 54	4,478 1,753	13,780,684	26, 104, 047	22,748,880	49,425,850 25,451,250			
Haliburton	17	208	5, 362, 151 591, 688	14,457,002 977,657	931,421	1,943,465			
Halton	217 222	11,836 7,727	51,470,531 28,046,618	219,520,495 49,290,967	149, 059, 147 62, 534, 161	374, 115, 395 111, 586, 600			
Huron	141	1,884	5,782,675 11,452,307	19,079,076	10, 566, 902	30, 471, 128			
Kenora	72 201	2,486 6,979	11,452,307 26,751,340	19,079,076 31,045,179 101,244,006	10,566,902 26,972,710 55,285,041	30, 471, 128 62, 097, 900 158, 770, 767 427, 387, 986			
Lambton	135	9,011	48, 188, 853	261, 293, 545	140.406.011	427, 387, 986			
Lanark	132	2,667	8,069,236 15,979,725	17,599,638	17,513,285	35, 560, 499			
Leeds Lennox and Addington	98 47	4,074 1,542	6, 289, 047	46,671,107	33,382,331 15,081,595	80, 195, 197			
Lincoln	232	13,532	6, 289, 047 61, 482, 393	16,408,767 105,254,866 740,704	105, 434, 312	32,709,740 217,633,745			
Manitoulin	25 403	81 18,627	209,442 74,279,946	142,946,177	372,369 149,475,069	1,173,538 297,456,997			
Muskoka	75	720	2, 285, 106	4,717,324	3,474,273	8.844.554			
Nipissing Norfolk	82 99	2,532 2,452	9,898,491 8,886,811	16,584,686 49,991,248	19,887,245 23,006,488	37,647,050 73,866,413			
Northumberland	118	2,047	7, 117, 929	19, 220, 407	20,559,840	40, 216, 283			
Ontario	228 194	19,584 7,185	95, 454, 453	376, 178, 856 83, 069, 512	227, 130, 665	611, 288, 980			
Parry Sound	77	800	26, 385, 159 2, 820, 460 58, 404, 205	6, 132, 157	50, 493, 543 8, 512, 987	138,090,679 14,939,228			
Peel	228 163	12, 756 5, 222	58, 404, 205 17, 834, 045	6, 132, 157 159, 913, 144	8,512,987 116,916,291 37,586,886	14, 939, 228 283, 833, 436 87, 456, 517			
Petrh	139	8,878	42, 189, 961	48,803,288 60,632,107	70, 315, 769	133, 824, 912			
Prescott	71	1, 192	4 970 000	9,124,672	5,697,902	133,824,912 15,898,633			
Prince Edward	56 45	795 1,024	2, 224, 100 4, 426, 590 14, 512, 039 503, 519	5,889,918 9,564,134	6,240,319 9,655,591	12,434,732 20,500,623			
Renfrew	169	4,388 206	14,512,039	25,626,987 3,980,786	29,002,880	55,774,878			
Russell Simcoe	47 269	206 8,121	27,876,910	3,980,786 56,727,187	29,002,880 1,380,795 52,855,584	55,774,878 5,478,636 110,653,944			
Stormont	88	5,211	22, 441, 504	41,100,662	43,050,959 252,728,910	89,860,859			
Sudbury Thunder Bay	139 202	11,455 7,215	55, 424, 120 34, 517, 826	148, 037, 442 83, 090, 218	252,728,910 87,495,611	419,719,020 181,857,399			
Timiskaming	83	1,131	3,806,254 6,408,069 122,430,747 111,090,973	7, 257, 540 10, 247, 391	6,335,276	13, 880, 594			
Victoria Waterloo	83 565	2,052 32,494	6,408,069	10,247,391 255,580,464	6,335,276 12,291,363 247,696,598 214,424,523	22,908,048 499,280,912 628,433,180			
Welland	297	23, 209	111,090,973	391,581,192	214, 424, 523	628, 433, 180			
Wellington	240	8,878	33,804,211	64,930,520	04,000,021	130, 140, 441			
Wentworth York	661 4,936	53,927 210,613	254, 229, 353 894, 230, 572	516,542,227 1,750,964,958	536,044,962 1,626,540,788	1,072,839,156 3,417,998,946			
Totals	13, 387	603, 467	2, 585, 676, 553	6, 126, 027, 277	5, 319, 683, 901	11, 685, 675, 652			
Manitoba:	-								
Division No. 1	37	548 489	1,114,571 1,178,718	4,712,330 4,670,757	2, 148, 285	6, 954, 427			
Division No. 2	39 29	88	221,876	1, 320, 386	2,421,086 435,530 364,835	7,442,792 1,779,431			
Division No. 4 Division No. 5	12	1 190	240,056 5,085,108	1,320,386 710,776 7,456,540	364,835	1, 114, 560 15, 554, 038			
Division No. 6	29 23	1, 189 521	1,990,616	4, 270, 349	7, 231, 893 7, 874, 588	15,554,038			
Division No. 7 Division No. 8	65	1,047	3,727,286	13,468,725	7,416,312	21,320,817			
Division No. 8	15 11	103 94	243,089 257,939	1,375,126 475,350	444,317	1,842,353 815,352			
Division No. 9	26	125	318,817	475,350 1,804,487	549,652	2,371,784			
Division No. 11	10	34	62, 132 362, 897	529,039 1,660,602	191, 129 602, 090	2,371,784 733,464 2,421,564			
Division No. 12	43	145 34	77, 591	422,742	158, 224	2, 421, 564 584, 350			
DATE OF THE STATE	201								

TABLE 19. Principal Statistics of Manufacturing Industries of Canada by Counties and Census Divisions, 1960 — Concluded

County and Census Division Ish Employees and wages of materials ma	an-	d Census D	ivisions, 13	100 = Concida	- Cu		
Manibba - Concluded: 19	County and Census Division	lish	Employees		of materials	added by	Selling value of factory shipments
Division No. 14 19 55 95.542 485.737 210.547 712.84		num	ber		doll	ars	
Division No. 2	Division No. 14 Division No. 15 Division No. 16 & 19 Division No. 17 Division No. 17 Division No. 18 Division No. 20	43 94 38 28 1.021	124 918 161 65 36,512	234,894 3,868,066 412,908 112,560 134,659,145	932, 977 12, 956, 019 1, 978, 717 516, 373 359, 836, 403	490,577 14,007,885 906,715 219,072 260,472,769	712, 942 1, 444, 970 28, 854, 424 2, 953, 247 745, 629 627, 782, 416
Division No. 2							
Alberta: Division No. 1 Solution No. 2 Solution No. 2 Solution No. 3 Alberta: Division No. 1 Solution No. 2 Solution No. 3 Solution No. 3 Solution No. 3 Solution No. 4 Solution No. 5 Solution No. 5 Solution No. 5 Solution No. 6 Solution N	Division No. 1 Division No. 2 Division No. 3 Division No. 3 Division No. 5 Division No. 6 Division No. 6 Division No. 7 Division No. 8 Division No. 9 Division No. 10 Division No. 10 Division No. 12 Division No. 12 Division No. 12 Division No. 15 Division No. 15 Division No. 15 Division No. 16 Division No. 17	16 7 8 33 146 52 26 76 17 152 10 127 69 48	167 26 43 233 3,921 1,357 252 440 107 3,670 37 422 1,006 227 120	534, 681 76, 008 111, 374 627, 162 16, 358, 532 5, 590, 496 850, 321 1, 314, 137 256, 071 14, 760, 830 88, 036 942, 108 3, 705, 279 614, 214 336, 853	2, 038, 839 114, 548 1192, 872 4, 202, 862 61, 251, 055 34, 638, 374 3, 194, 011 5, 608, 626 1, 850, 006 62, 529, 222 302, 189 3, 562, 828 14, 709, 642 2, 351, 529	1, 868, 185 125, 375 171, 810 1, 120, 931 12, 983, 106 1, 589, 110 2, 798, 202 501, 448 31, 293, 662 155, 257 9, 061, 343 1, 466, 430 521, 800	3, 556, 781 3, 863, 833 248, 702 314, 663 5, 401, 928 104, 293, 084 48, 123, 369 4, 996, 091 8, 693, 085 2, 400, 232 95, 606, 278 455, 573 5, 435, 192 23, 953, 558 3, 936, 193 1, 686, 798 31, 807, 901
Division No. 1	Totals	887	12,918	49, 764, 266	215, 404, 848	119.776,935	344, 773, 261
Division No. 1	Division No. 1	96 33 6 33 451 37 144 32 78 546 44 92 82	2. 044 320 26 132 12. 202 217 948 446 682 17. 388 192 459 912 1, 115	7, 136, 172 870, 215 79, 644 365, 877 51, 726, 687 781, 947 2, 730, 469 1, 731, 455 2, 495, 077 72, 175, 602 504, 215 1, 083, 515 3, 921, 885 3, 152, 697	23,609,437 2127,862 226,566 781,096 160,300,717 3,602,640 11,662,080 1,917,531 18,390,031 1251,756,357 2,327,716 5,673,802 13,195,688 8,227,040	18, 429, 379 1, 606, 576 128, 989 734, 804 166, 269, 038 2, 883, 320 6, 800, 980 3, 328, 577 7, 564, 281 161, 597, 295 835, 903 2, 086, 403 15, 077, 166 5, 745, 047	41, 283, 653 41, 124, 592 3, 966, 193 362, 307 1, 545, 065 269, 997, 118 6, 587, 008 18, 296, 903 6, 179, 529 25, 308, 128 419, 505, 553 3, 220, 436 7, 879, 417 29, 959, 134 14, 442, 764
Yukon and North West Territories:	Division No. 1	151 291 1,990 414 254 27 625 54	5,952 3,902 56,656 14,168 3,365 3,732 6,377 4,104 848	26, 389, 388 13, 104, 631 250, 587, 069 65, 971, 918 11, 813, 272 20, 666, 534 21, 372, 596 21, 183, 458 3, 100, 385	78,641,019 26,316,763 593,940,759 138,519,437 29,346,659 24,306,887 52,763,289 61,295,758 9,673,600	51, 453, 598 22, 765, 138 444, 638, 152 153, 431, 470 20, 957, 324 56, 115, 490 34, 146, 236 56, 168, 728 4, 500, 039	22,591,839 130,314,232 49,277,571 1,065,483,643 304,652,296 51,652,296 82,989,552 89,046,837 126,199,340 14,710,174 1,936,917,630
		0,000	2.07001				
19 102 010,000 1,411,01 1,000,10, 0,011,01	Yukon and North West Territories:	14	124	615, 503	1,444,781	1, 325, 787	3, 071, 218

APPENDIX I

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto,
Hamilton, Windsor, Winnipeg and Vancouver, 1960

MONTREAL METROPOLITAN AREA

MOI	NIKEAL	AE I RUPUI	LITAN AREA					
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments		
	nun	ber		dol	dollars			
Food and beverage industries:								
Bakeries Biscuit manufacturers	202	5,490	17,874,516	25,019,288	27, 314, 529	53,780,247		
Confectionery manufacturers	10 45	2, 462 2, 428	7, 193, 318 7, 601, 130	16, 222, 256 21,053,305 25,039,704		33, 138, 661		
Confectionery manufacturers Feed manufacturers Fruit and vegetable canners and preservers	11	548	2 383 593	25,039,704	7, 161, 715	40, 281, 993 32, 501, 205		
	31 63	1,089 2,741	3, 153, 651 10, 497, 377	14, 262, 927 65, 651, 968	7,055,678	21.049.652		
Pasteurizing plants	23	2, 162	8, 949, 839	34.069.991	16,568,313 19,514,596 7,161,715 7,055,678 43,532,276 15,200,677	110, 101, 141 50, 068, 944		
Sausage and sausage casing manufacturers	10	101	374,620 653,886	5,000,347 2,499,019	450, 406 1,048,893	5,470,341		
Pasteurizing plants Poultry processors Sausage and sausage casing manufacturers Slaughtering and meat packing plants Soft drink manufacturers All other industries	19 27 25	234 3,927 1,277	16. 927. 704	131 424 873	30, 976, 432 28, 736, 730	5, 470, 341 3, 596, 394 162, 704, 945 38, 023, 764		
All other industries ¹	33	6,906	5,396,771 33,613,277	8,803,896 131,236,634	28,736,730 110,329,994	38,023,764 243,350,235		
Totals	499	29, 365	114, 619, 682	480, 284, 208	307, 890, 239	794, 067, 522		
Tobacco products industries:								
Totals	10	5, 263	22, 434, 817	74, 701, 349	63,451,855	137, 982, 319		
Rubber industries:								
Totals	17	1,929	8,552,435	12,852,172	10,847,469	22 650 000		
	11	1,040	0,002,400	10,030,170	10, 547, 469	23, 659, 835		
Leather industries: Boot and shoe findings manufacturers	14	462	1 217 122	2, 447, 123	1,992,554	4 507 504		
Leatner glove factories	13	30 2	1, 317, 123 801, 781	1 023 895	1 507 054	4,507,594 2,502,617		
Miscellaneous leather products manufacturers	84 63	1,907 5,970	4,783,685 16,586,159	6, 673, 732 23, 183, 793 765, 999	7,894,214 26,165,385 1,030,969	14, 632, 623		
Shoe factories	9	191	683,921	765,999	1,030,969	49, 643, 634 1,827,929		
Totals	183	8,832	24, 172, 669	34,094,542	38,590,776	73, 114, 397		
Textile industries:								
Canvas products industry	16	265 369	801, 394 1, 107, 703 8,864, 580	1, 338, 156 6, 599, 736 9, 475, 137	1, 304, 761 2, 179, 346 7,891,893	2,674,252 8,839,277 18,096,346		
Cotton and jute bag industry Cotton yam and cloth mills	6	2, 269	8,864,580	9, 475, 137	7,891,893	18,096,346		
Embroidery, pleating, hem-stitching manufacturers	77	990 209	2,618,741 761,440	1.670.455	4, 262, 978 1, 768, 717 13, 041, 969	6.000.031		
Miscellaneous textiles (n.e.s.) industry	71	2. 38 3	7.330.061	4,739,419 17,678,880	13,041,969	6,582,715 31,241,216		
Cotton and jute bag industry Cotton yarn and cloth mills Embroidery, pleating, hem-stitching manufacturers Fibre preparing mills Miscellaneous textiles (n.e.s.) industry Narrow fabric mills Textile dyeing and finishing plants All other industries ³	71 22 24 30	735 574	2, 286, 207 2, 025, 019	4, 466, 098 888, 359	4,238,067 3,988,214 19,736,466	8,721,746 5,033,096		
All other industries ³	30	3,859	16,749,485	22, 599, 129	19, 736, 466	43,058,921		
Totals	262	11,653	42,544,630	69, 444, 369	58,412,411	130, 247, 600		
Knitting mills:		2.44		44 848 653				
Hosiery mills Other knitting mills	61 72	2,345 3,505	6, 449, 660 9, 259, 527	11,545,295 22,801,812	12,134,440 15,051,114	23,894,980 37,668,651		
Totals	133	5,850	15, 709, 187	34,347,107	27, 185, 554	61, 563, 631		
Clothing industries:	124	5,967	13, 633, 527	31, 681, 104	92 612 001	EE 400 F07		
Children's clothing industry Fur goods industry Hat and cap industry Men's clothing contractors Men's clothing factories Miscellaneous clothing (n.e.s.) industry Women's clothing contractors Women's clothing factories	223	1.912	6, 955, 390	21,805,095	23,513,981 12,135,662	55,499,735 33,898,265		
Hat and cap industry	59 74	1,872 2,019	6,955,390 5,349,790 5,019,331	6, 394, 401 421, 186	8,762,759 3,188,775	15, 204, 183 6, 7 15, 138		
Men's clothing factories	235	9, 13 8	27,712,854	64, 927, 766 3, 324, 760	44,076,251	109, 157, 180		
Miscellaneous clothing (n.e.s.) industry	38 95	718 2, 152	1,848,481	643.263	2,954,959	6, 269, 644 6, 661, 864		
Women's clothing factories All other industries	388	16, 332	4,617,788 46,283,238 2,742,825	97, 215, 941 4, 128, 279	5,972,243 83,199,560 5,012,035	179,873,953		
Totals	1,252	1, 162 41, 272	114, 163, 224	230, 541, 795	191, 816, 225	9,090,440 422,370,402		
Wood industries: Miscellaneous wood industries (n.e.s.)				04 000	277 700			
Such and door and planing mills (avaluding hard-	4	66	203,044	94,982	277,708	379,756		
Miscellaneous wood industries (n.e.s.) Sash and door and planing mills (excluding hardwood flooring)	52	732	2,648,023	5,652,732	3,840,336	9,603,550		
Sash and door and planing mills (excluding hard- wood flooring) Wooden box factories	52	732 336	2,648,023 928,627	5,652,732 1,504,518	3,840,336 1,456,403	9,603,550 2,979,093 188,473		
Sash and door and planing mills (excluding hard- wood flooring) Wooden box factories Wood handles and turning All other industries	52	732	2,648,023	5,652,732	3,840,336	9,603,550		

See footnotes at end of table.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 — Continued

MONTREAL METROPOLITAN AREA - Continued

MONTREA	L METRO	POLITAN	AREA - Con	unued			
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	
	nun	nber	dollars				
Furniture and furniture fixtures: Electric lamp and shade industry Household furniture industry Office furniture industry Other furniture industries	35 248 13 64	603 3,506 852 2,529	1,575,563 10,612,476 3,090,837 8,557,855	3,556,270 17,005,203 3,898,251 12,350,813	2,768,261 17,195,053 4,600,767 14,082,710	6,356,402 34,070,739 8,679,115 26,728,899	
Totals	360	7, 490	23,836,731	36, 810, 537	38, 646, 791	75, 835, 155	
Paper and allied industries: Corrugated boxes manufacturers Folding boxes and set-up boxes manufacturers Other paper converters Paper bag manufacturers All other industries Totals	9 25 40 16 8	1,900 1,808 1,065 976 2,558 8,307	7,362,368 6,426,224 3,799,513 3,172,913 16,465,738 37,226,756	26,276,990 12,785,510 9,690,841 12,147,173 8,809,205 69,709,719	13,017,506 11,482,648 8,388,740 5,904,114 9,295,674 48,088,682	39,453,522 23,935,631 18,156,222 18,186,2594 118,394,749	
Printing, publishing and allied industries: Engraving and duplicate plates Lithographing Printing and bookbinding Printing and publishing Publishing only Trade composition or typesetting	39 56 327 25 104 13	1,060 1,710 4,961 5,067 2,029 376	5,246,192 8,061,163 19,639,796 26,099,077 9,469,109 1,930,416	2,084,833 10,239,697 17,833,746 21,762,947 16,114,492 214,103	7,589,833 14,423,477 31,214,132 46,430,616 34,197,323 2,923,629	9,796,532 24,626,130 49,286,439 68,378,264 50,312,772 3,152,696	
Totals	564	15, 203	70,445,753	68, 249, 818	136, 779, 010	205, 552, 833	
Primary metal industries: Iron and steel mills All other industries	5 39	2,150 3,875	10,428,464 18,216,642	26,302,757 229,028,352	15,081,471 21,479,917	43,248,701 252,096,774	
Totals	44	6,025	28, 645, 106	255, 331, 109	36, 561, 388	295, 345, 475	
Metal fabricating industries (except machinery and transportation equipment industries): Boiler and plate work Hardware, tool and cutlery manufacturers Heating equipment manufacturers Machine shops Metal stamping, pressing and coating industry Ornamental and architectural metal industry Wire and wire products manufacturers All other industries ⁸ Total	10 46 18 78 86 96 39 55	819 957 1,262 1,308 4,692 1,864 3,249 7,156	3,783,847 3,565,004 5,180,105 5,319,551 20,763,745 7,240,013 14,560,912 33,097,068	5,457,156 5,590,781 8,645,080 4,495,628 37,353,911 9,379,039 28,187,963 39,245,104	4,646,267 9,138,832 9,408,435 8,123,975 42,712,832 11,128,920 20,938,276 46,733,390	10,204,865 14,760,658 18,427,980 12,597,310 81,281,077 20,630,833 50,020,061 87,703,351	
TOtal	400	21,501	33, 310, 210	200,002,000	200,000,000	,	
Machinery industries (except electrical machinery): Commercial refrigeration and air-conditioning equipment manufacturers All other industries Totals	6 36 . 42	130 4,675 4,805	558,572 20,841,956 21,400,528	902,458 30,809,067 31,711,525	944,051 30,064,481 31,008,532	1,768,932 63,423,670 65,192,602	
Transportation equipment industries: Motor vehicle parts and accessories manufacturers. Railroad rolling stock industry. Truck body and trailer manufacturers. All other industries ¹⁰ Totals	9 5 14 30 58	135 8,546 258 17,592 26,531	489,028 35,634,510 1,012,424 88,132,573 125,268,535	872,313 59,043,587 1,641,903 73,619,767 135,177,570	907, 961 33, 727, 631 1, 484, 345 127, 778, 682 163, 898, 619	1,775,233 94,458,682 3,181,283 203,404,664 302,819,862	
Electrical products industries: Manufacturers of miscellaneous electrical products All other industries ¹¹ Totals	23 60 83	1,532 17,537 19,069	4,815,603 84,716,158 89,531,761	12,383,993 93,311,177 105,695,170	9,936,852 133,667,327 143,604,179	22,214,628 221,334,994 243,549,622	

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 - Concluded

MONTREAL METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	num	ber		doi	llars	
Non-matallia minus 1	1	1		1		
Non-metallic mineral products industries: Concrete products manufacturers Glass products manufacturers Other non-metallic mineral products industries	24	866 307 84	3,285,317 870,390 395,471	1,462,040 663,058	5,989,774 1,423,081 659,312	11,108,566 2,943,640 1,368,766
Ready-mix concrete manufacturers Stone products manufacturers All other industries ¹²	13 14	944 183 4,385	4,524,024 695,221 18,465,622	13,226,120 729,014 19,634,140	9,598,153 1,113,897 36,883,016	23,527,404 1,909,844 60,750,894
Totals	105	6,769	28, 236, 045	40,532,198	55, 667, 233	101,609,114
Debalance and analysis desired			1			
Petroleum and coal products industries: Petroleum refining All other industries ¹³	6 7	2,799 325	16,760,398 1,765,677	275,069,147 9,023,823	82,835,193 5,384,962	367,956,705 14,770,559
Totals	13	3,124	18,526,075	284, 092, 970	88, 220, 155	382, 727, 264
			1			
Chemical and chemical products industries: Manufacturers of industrial chemicals	15	1,179	6,851,459	10,323,397	10,029,710	20,765,176
Manufacturers of pharmaceuticals and medicines Manufacturers of soap and cleaning compounds Manufacturers of toilet preparations	70 34 30	3,511 464 896	14,526,022 1,642,302 3,437,350	20,542,702 4,505,016 7,712,602	51,699,495 5,405,426 17,000,431	73,605,190 10,060,330 24,458,080
Other chemical industries Paint and varnish manufacturers All other industries ¹⁴	70 30 14	1,025 2,187 2,030	4,045,809 10,229,834 11,983,256	9,771,955 20,150,865 19,385,020	11,401,421 20,525,760 18,458,291	20,965,687 40,728,998 38,950,018
Totals	263	11,292	52,716,032	92, 391, 557	134,520,534	229, 533, 479
						1
					1	
Miscellaneous manufacturing industries: Artificial flowers and feathers manufacturers	01	000	F00 040			
Broom, brush & mop industry Button, buckle and fastener industry	21 25	299 348	733,942 888,688	773,778 1,518,546	1,065,183 1,327,627	1,845,997
Button, buckle and fastener industry	32	799	2,177,753	3,203,567	3,618,305	6,984,167
Candle manufacturers Clock and watch manufacturers	6 13	85 124	254,947 467,107	431,177 1,225,962	608,975 734,845	1,054,224
Dental Laboratories	93	228	888,549	390,740	1,180,889	1,585,586
Hair goods manufacturers Jewellery and silverware manufacturers	3 78	984	69,842 3,313,409	155,806 5,179,105	110,671	265,991
Model and pattern manufacturers	16	76	322,799	100,896	6,318,947 513,652	11,508,234 624,154
Musical instruments and sound recording industries	4	172	588,070	598,007	1,852,440	2,485,817
Opthalmic goods manufacturers Orthopedic and surgical appliance manufacturers	7 5	63 29	199,711 121,415	203,069 54,201	269,153 210,692	477, 938 266, 647
Other miscellaneous industries	10	422	1,261,642	1,912,518	3,048,653	5,000,052
Plastic fabricators, n.e.s. Signs and displays industry	44 50	877 864	3,083,551	7,761,822	7,573,546	15,113,652
Sporting goods industry	9	196	3,523,341 595,397	2,164,752 836,542	7,223,520 1,048,959	9,473,966 1,897,870
Stamp and Stencii (rupper and metal) manufacturers	14	163	617,018	386,325	982,552	1,385,213
Statuary, art goods, regalia and novelty manufacturers	29	255	710,753			
Toys and games industry	12	709	1,851,056	568,170 3,451,346	968,912 3,076,049	1,574,077 6,455,772
Venetian blind manufacturers	15	106	340,048	644,983	667,703	1,334,312
All other industries ¹⁵	47	2,752	11,017,144	15,479,360	15,573,877	30,511,282
Totals	532	9,573	33, 026, 182	47,040,672	57, 975, 150	104,680,017
Grand totals, metropolitan Montreal	5,024	245,396	970,610,351	2, 251, 703, 689	1,794,548,389	4, 083, 057, 688

Includes: Animal oils and fats plants, 1; breakfast cereal manufacturers, 2; breweries, 4; butter and cheese plants, 3; condenseries, 1; distilleries, 3; fish products industry, 1; flour mills, 3; ice cream manufacturers, 3; macaroni manufacturers, 4; process cheese manufacturers, 3; sugar refineries, 2; vegetable oil mills, 2; wineries, 1.
Includes: Leather belting manufacturers, 5; leather tanneries, 4.
Includes: Automobile fabric accessory manufacturers, 5; cordage and twine industry, 1; linoleum and coated fabrics industry, 9; pressed and punched felt mills, 1; synthetic textile mills, 3; thread mills, 8; wool cloth mills, 1; wool yarn mills, 2.
Includes: Fabric glove manufacturers, 1; foundation garment industry, 15.
Includes: Fabric glove manufacturers, 2; cooperage, 2; hardwood flooring, 1; veneer and plywood mills, 1; woodenware, 1.
Includes: Applat roofing manufacturers, 5; pulp and paper mills, 3.
Tincludes: Aluminum rolling, casting and extruding, 5; copper and alloy rolling, casting and extruding, 13; iron foundries, 3; metal rolling, casting and extruding, 15; smelting and refining, 1; steel pipe and tube mills, 2.
Includes: Fabricated structural metal industry, 10; miscellaneous metal fabricating industries, 45.
Includes: Agricultural implement industry, 1; miscellaneous machinery and equipment manufacturers, 32; office and store machinery manufacturers, 3.

**Includes: Agricultural implement inducty, T, made facturers, 3.

**Includes: Aircraft and parts manufacturers, 20; boatbuilding and repair, 4; motor vehicle manufacturers, 1; shipbuilding and repair, 5.

**Includes: Battery manufacturers, 1; communications equipment manufacturers, 22; manufacturers of electric aliquistrial equipment, 8; manufacturers of electric wire and cable, 6; manufacturers of household radio and television receivers, 10; manufacturers of major appliances (electric & non-electric), 5; manufacturers of small electrical appliances, 8.

**Includes: Abrasives manufacturers, 1; asbestos products manufacturers, 2; cement manufacturers, 2; clay products manufacturers (from domestic clays), 1; clay products manufacturers (from imported clays), 1; glass manufacturers, 3; gypsum products manufacturers, 2; refractories manufacturers, 2.

Includes: Manufacturers of lubricating oils and greases, 2; other petroleum and coal products industries, 5.
 Includes: Manufacturers of mixed fertilizers, 2; manufacturers of plastics and synthetic resins, 5; manufacturers of printing inks, 7.
 Includes: Artificial ice manufacturers, 2; fountain pen and pencil manufacturers, 6; for dressing and dyeing industry, 8; instrument and related products manufacturers, 20; smokers' supplies manufacturers, 4; typewriter supplies manufacturers, 3; umbrella manufacturers, 4.

The Following Municipalities are Included in Greater Montreal

Industry	Estab- lish-	Employees	Salaries	Cost at plant	Value added by	Selling value
indexonly	ments		and wages	used	manufacture	shipments
	nun	nber		dol	llars	L
Chomedy	16	200	698, 267	1,290,014	1,347,065	2,638,024
Dorval	16	348	1, 345, 959	3, 338, 026	4,875,525	8,195,050
Greenfield Park	7	116	416,716	665, 180	1,063,315	1,742,482
Jacques-Cartier	31	1, 130	4,050,807	7,829,510	8,066,112	16, 214, 523
Lachine	87	12, 167	55, 159, 765	94,630,161	90,459,094	188, 144, 952
Laflèche	6	53	194, 578	400,052	312,026	739,654
LaSalle	57	5,314	23,779,969	70,924,266	78, 193, 476	151,896,573
Laval des-Rapides	19	180	519,702	773,028	921,591	1,690,356
Longueuil	31	3, 399	15,008,478	15,001,209	17,650,562	33,781,462
Montreal	3,996	171,621	643, 387, 247	1, 224, 513, 359	1, 118, 350, 304	2,349,783,042
Montreal East	42	6,927	34, 301, 216	480,943,803	118,906,795	618,042,404
Montreal North	78	1,379	5,385,046	10,612,972	9,660,443	20,526,857
Mont-Royal	56	6,294	26,718,516	80, 175, 444	53,847,054	134, 503, 223
Outremont	. 85	2,864	10, 427, 175	23, 277, 353	20,016,427	43,588,651
Pointe-aux-Trembles	17	1, 121	4,510,848	36,760,743	13,751,062	52,602,542
Pointe-Claire	13	694	2,696,648	8, 282, 403	11,013,821	19, 411, 148
Pont-Viau	16	270	782,870	1,576,561	1,370,803	2,987,224
Rivière-des-Prairies	11	478	1,736,973	3,382,521	3, 144, 724	6, 253, 789
St-Lambert	27	987	3,206,970	6,090,711	5,668,013	11,815,824
St-Laurent	104	18,203	89, 147, 618	96,354,222	149,550,687	247,635,747
St-Léonard-de-Port-Maurice	5	20	65,458	201,677	119,533	326,350
St-Michel	121	2,702	10,206,399	20,527,111	23, 508, 130	45,059,134
Verdun	73	1,750	5,302,904	7,768,142	9,020,583	16,999,955
Westmount	43	1,861	7,885,032	12,446,299	19, 286, 334	31,866,073
All others ¹	67	5,318	23,675,690	43,938,922	34, 444, 910	76,612,649
Totals	5,024	245, 396	970, 610, 851	2, 251, 703, 689	1, 794, 548, 389	4,083,057,688

¹ Includes: Anjou; Baie-d-Urfé; Beaconsfield; Côte-St-Luc; Hampstead; Île Dorval; Le Moyne; Montreal South; Montreal West; Preville; Roxboro; Ste-Anne-de-Bellevue; Ste-Geneviève; St-Pierre; Saraguay; Senneville; Parishes of Côte-de-Liesse; Dollard-des-Ormeaux; Notre-Dame-de-Liesse; Ste-Anne-du-Bout-de-l'Île; Ste-Geneviève; St-Jean-de-Dieu; St-Joachim-de-la-Pointe Claire; St-Raphaël-de-l'Île; Bizard.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 — Continued

TORONTO METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	num	ber		dol	lars	
Food and beverages industries; Bakeries Biscuit manufacturers Breweries Butter and cheese plants Confectionery manufacturers Distilleries Feed manufacturers Ice cream manufacturers Miscellaneous food manufacturers Pasteurizing plants Poultry processors Sausage and sausage casing manufacturers Soft drink manufacturers All other industries ¹	230 7 5 3 41 5 10 9 9 62 24 6 16 20 76	6,575 1,367 1,037 46 3,541 365 408 124 2,413 2,991 111 334 1,192 8,862	23, 690, 802 4, 613, 087 6, 250, 755 138, 877 1, 743, 071 1, 711, 977 1, 764, 282 485, 599 10, 592, 414 13, 303, 102 1, 261, 967 5, 465, 897 40, 867, 799	34,187,289 9,524,922 8,060,089 1,039,104 30,761,500 6,686,846 14,990,940 2,837,516 51,170,927 36,057,822 2,890,160 5,846,160 6,508,214 284,223,079	36, 083, 855 12, 256, 887 27, 401, 502 237, 637 31, 458, 322 8, 239, 335 5, 424, 372 2, 201, 187 24, 126, 004 18, 958, 816 561, 974 2, 317, 516 14, 925, 909 93, 962, 030	72,080,925 22,066,194 36,484,036 48,036 48,036 48,066,342 14,842,854 20,620,157 5,074,997 76,166,665 56,215,858 3,498,993 8,224,375 22,014,818 381,145,899
Totals	514	29,366	122,038,196	494, 784, 568	278, 155, 346	782, 747, 470
Rubber industries:						
Totals	11	4, 288	19, 885, 297	37,031,234	34, 746, 743	75, 183, 520
Leather industries: Miscellaneous leather products manufacturers Shoe factories All other industries ²	49 35 9	1,037 1,789 586	2,842,820 4,855,134 2,273,337	3,667,107 7,055,640 4,870,049	4, 423, 185 7, 286, 401 3, 106, 551	8, 179, 179 14, 331, 434 8, 000, 850
Totals	93	3,412	9,971,291	15, 592, 796	14,816,137	30, 511, 463

See footnotes at end of table.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 — Continued

TORONTO METROPOLITAN AREA - Continued

TORONTO METROPOLITAN AREA - Continued								
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments		
	number dollars							
Textile industries: Automobile fabric accessory manufacturers Canvas products industry Cotton and jute bag industry Embroidery, pleating, hemstitching manufacturers Fibre preparing mills Miscellaneous textiles (n.e.s.) industry Narrow fabric mills Textile dyeing and finishing plants All other industries ³ .	9 27 6 31 8 69 9	76 427 141 313 199 1,243 147 191 2,342	231, 205 1, 200, 762 421, 521 951, 953 759, 312 4, 093, 100 420, 178 702, 435 8, 672, 473	363,343 2,976,768 2,674,921 423,475 2,428,460 11,011,700 527,855 196,921 16,954,680	335,505 1,986,953 733,916 1,429,404 1,304,632 6,396,052 814,077 1,142,141 12,224,860	708, 902 4, 857, 306 3, 413, 381 1, 867, 717 3, 804, 526 18, 217, 305 1, 357, 435 1, 386, 220 29, 296, 302		
Totals	193	5,079	17, 452, 939	37, 558, 123	26, 367, 540	64, 909, 094		
Knitting mills: Hosiery mills Other knitting mills Totals	18 45 63	758 2,034 2,792	2,039,882 5,707,747 7,747,629	3, 434, 416 11, 176, 721 14, 611, 137	3, 288, 835 8, 886, 732 12, 175, 567	6,755,025 20,200,253 26,955,278		
Clothing industries: Children's clothing industry Fur goods industry Hat and cap industry Men's clothing contractors Men's clothing factories Miscellaneous clothing (n.e.s.) industry Women's clothing factories All other industries All other industries	27 135 40 13 102 15 13 165	1,238 1,110 850 188 5,761 282 123 5,579 1,074	3,017,078 4,413,876 2,394,119 534,709 16,546,701 794,735 271,090 16,881,749 3,057,841	5,312,563 9,680,465 2,608,071 108,619 22,656,538 1,301,846 38,562 24,486,327 5,050,280	4,176,407 7,008,441 3,392,380 652,216 22,723,819 1,261,548 321,207 28,071,279 7,037,825	9, 326, 421 16, 542, 802 6, 025, 161 771, 056 44, 434, 105 2, 545, 442 368, 596 52, 548, 873 11, 828, 905		
Totals	524	16, 205	47,911,898	71, 243, 271	74, 645, 122	144, 391, 361		
Wood industries: Miscellaneous wood industries, n.e.s Sash and door and planning mills (excluding hardwood floring) All other industries ³ Totals	14 62 20 96	123 1,000 778 1,901	395, 379 3, 679, 074 2, 739, 482 6, 813, 935	393, 886 8, 951, 612 3, 045, 903 12, 391, 401	698, 082 6, 478, 768 3, 761, 058 10, 937, 908	1,100,315 15,796,366 6,845,273 23,741,954		
Furniture and furniture fixture industries: Electric lamp and shade industry	20 249 12 84	506 3,432 211 2,163 6,312	1, 435, 706 12, 398, 721 707, 914 8, 229, 943 22, 772, 284	2,726,484 23,172,905 668,518 15,926,306 42,494,213	2, 764, 355 19, 656, 718 1, 207, 361 14, 298, 373 37, 926, 807	5,537,802 42,988,732 1,820,987 30,479,428 80,826,949		
Paper and allied industries: Corrugated box manufacturers Folding box and set-up box manufacturers Other paper converters Pulp and paper mills All other industries ^e Totals.	9 38 67 7 13	1,555 3,011 4,194 1,461 592	6,533,939 11,423,822 17,785,843 9,401,048 1,931,824	19, 967, 023 26, 590, 120 34, 641, 629 13, 212, 737 8, 372, 063	10, 045, 548 18, 665, 621 33, 260, 974 10, 773, 416 4, 103, 778 76, 849, 337	30, 307, 448 45, 138, 818 67, 802, 681 25, 799, 372 12, 328, 209 181, 376, 528		
	202		.,,					
Printing, publishing and allied industries: Engraving and duplicate plates Lithographing Printing and bookbinding Printing and publishing Publishing only Trade composition or typesetting	52 93 374 40 145 16	1,665 3,662 8,119 7,181 1,489 630 22,746	10, 193, 093 16, 781, 895 35, 489, 317 40, 058, 035 6, 010, 830 3, 563, 200	3, 855. 051 24, 259, 150 36, 281, 824 31, 188, 175 10, 361, 388 308, 774 106, 254, 362	13, 896, 173 27, 681, 409 60, 701, 915 73, 988, 612 16, 150, 992 4, 884, 606	17, 897, 644 52, 532, 312 97, 160, 404 105, 692, 065 26, 537, 051 5, 210, 678 305, 030, 154		
Primary metal industries: Iron foundries Metal rolling, casting and extruding, n.e.s. All other industries ⁷	11 21 25	1,138 933 2,290	5, 069, 423 4, 340, 568 11, 243, 334	7,598,600 19,937,467 33,263,511	9,077,267 6,775,062 17,005,873	16,400,185 27,458,308 51,576,769		
Totals	57	4,361	20, 653, 325	60, 799, 578	32,858,202	95, 435, 262		

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 — Continued

TORONTO METROPOLITAN AREA - Continued

1000112	O MERRO	O DIRECTOR	AREA - COI			
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	num	ber		dollars		
Metal fabricating industries (except machinery, and transportation equipment industries): Boiler and plate works. Fabricated structural metal industry Hardware, tool and cutlery manufacturers. Heating equipment manufacturers Machine shops.	12 10 82 26 105	559 2,738 1,847 1,636 1,077	2,600,912 13,849,020 8,240,508 7,383,224 4,590,343	3,537,153 24,244,488 7,400,992 12,705,640	4, 195, 106 26, 133, 014 14, 402, 286 15, 939, 077 8, 256, 786	7,727,183 50,812,536 22,254,671 28,712,826 11,157,888
Metal stamping, pressing and coating industry Miscellaneous metal fabricating industries Ornamental and architectural metal industry Wire and wire products manufacturers	134 83 96 52	6, 315 2, 958 2, 702 1, 498	28,830,499 12,265,949 11,649,362 6,711,666	2,805,874 52,912,118 14,108,832 17,632,144 13,462,461	8, 256, 786 48, 907, 571 22, 866, 228 21, 119, 814 10, 409, 593	103, 349, 774 36, 843, 910 39, 424, 890 23, 997, 534
Totals	600	21, 330	96, 121, 483	148, 809, 702	172, 229, 475	324, 281, 212
Machinery industries (except electrical machinery): Commercial refrigeration and air conditioning equipment manufacturers All other industries*	. 6 114	261 12,566	1, 189, 712 61, 263, 100	1,096,178 91,004,237	1,949,855 93,733,138	2,913,798 190,439,853
Totals	120	12,827	62, 452, 812	92, 100, 415	95, 682, 993	193, 353, 651
Transportation equipment industries: Motor vehicle parts and accessories manufacturers Truck body and trailer manufacturers All other industries ⁹	27 13 24	2, 239 669 4, 627	9, 230, 157 2, 823, 206 21, 658, 384	15,881,952 4,420,625 21,891,398	17, 278, 244 5, 246, 611 24, 336, 227	33,958,104 9,860,410 47,533,420
Totals	64	7, 535	33, 711, 747	42, 193, 975	46,861,082	91, 351, 934
Electrical products industries:						
Communications equipment manufacturers	42	3,664 2,163	15, 928, 588 9, 114, 849	18,039,835 19,636,925	24, 267, 540 11, 694, 337	41, 170, 877 31, 724, 930
Manufacturers of major appliances (electric and non- electric). Manufacturers of miscellaneous electrical products Manufacturers of small electrical appliances	12 52 30 43	3, 471 3, 760 1, 384 7, 324	15,636,740 15,906,242 5,702,997 35,936,375	37, 984, 223 26, 183, 868 12, 636, 990 56, 771, 156	27,548,635 29,840,158 12,047,656 57,137,741	68, 297, 246 55, 654, 491 25, 839, 964 116, 829, 268
Totals	186	21,766	98, 225, 791	171, 252, 997	162, 536, 067	339, 516, 776
Non-metallic mineral products industries: Clay products manufacturers (from domestic clays) Concrete products manufacturers Glass products manufacturers Other non-metallic mineral products manufacturers Ready-mix concrete manufacturers Stone products manufacturers All other industries ²¹	6 38 34 4 7 14	269 1, 108 8 49 25 6 30 152 1, 608	1, 105, 308 4,673, 265 3, 531, 647 95, 369 3, 190, 679 667, 560 7, 801, 850	33,672 6,336,669 5,162,327 247,634 11,189,733 812,386 4,861,773	1,676,638 9,411,354 5,477,646 280,841 7,055,770 1,049,258 11,543,202	2, 204, 123 16, 303, 372 10, 322, 290 539, 505 18, 577, 725 1, 908, 779 17, 280, 301
Totals	115	4,641	21,065,678	28, 644, 194	36, 494, 709	67, 136, 095
Data-law and and and an interest to the second						
Petroleum and coal products industries: 12 Totals	14	2, 598	16,647,022	11, 324, 875	7,060,066	18, 466, 510
Chemical and chemical products industries: Manufacturers of industrial chemicals	14 3 7 48 15 37 33 90	1,058 90 234 2,227 679 2,331 1,170 1,903	5, 361, 344 440, 085 1, 195, 536 8, 615, 277 3, 148, 075 11, 503, 473 4, 043, 803 8, 329, 536	5,040,578 3,100,292 6,897,054 10,992,022 5,281,101 29,222,561 9,138,695 24,465,114	8, 266, 795 1, 746, 510 3, 370, 605 26, 572, 537 6, 308, 503 44, 733, 016 19, 377, 212 22, 889, 318	13, 762, 873 4, 696, 620 10, 304, 037 36, 588, 449 11, 550, 788 75, 173, 697 28, 623, 140 48, 103, 468
Paints and varnish manufacturers	42 289	2, 196 11, 888	9, 873, 851 52, 510, 980	31, 143, 786 125, 281, 203	30, 417, 052 163, 681, 548	61, 942, 854 290, 745, 926

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 - Concluded

TORONTO METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments			
	nur	nber		dol	lars				
Miscellaneous manufacturing industries: Broom, brush and mop industry. Clock and watch manufacturers Dental laboratories Fountain pen and pencil manufacturers Hair goods manufacturers Jewellery and silverware manufacturers Model and pattern manufacturers orthopedic and surgical appliance manufacturers Dissert fabricators, n.e.s. Signs and displays industry. Sporting goods industry Statuary, art goods regalia and novelty manufacturers Toys and games industry All other industries Totals	12 14 59 6 7 90 27 11 19 56 87 22 20 25 33 95	348 346 431 420 88 2,075 344 163 415 1,357 1,357 1,152 367 341 1,661 5,736	1,104,976 1,155,854 1,708,063 1,536,466 302,307 7,712,194 1,503,312 520,933 1,487,584 4,465,241 5,635,758 4,396,203 1,483,993 1,039,171 4,288,640 25,842,478	1,384,019 4,156,494 670,042 2,431,344 241,565 19,929,514 771,720 465,542 2,419,836 8,214,230 5,333,981 6,543,505 710,766 1,183,212 7,503,373 34,963,843	1,975,443 3,323,490 2,586,678 2,957,082 471,075 12,574,907 2,844,215 672,186 2,441,305 8,136,431 9,030,418 6,392,807 1,877,749 1,511,302 7,249,853 43,462,380 107,507,321	3, 382, 317 7, 313, 651 3, 276, 440 5, 677, 251 743, 851 32, 422, 016 3, 603, 159 1, 167, 047 4, 920, 618 16, 528, 809 14, 572, 347 13, 134, 158 2, 633, 843 2, 699, 422 14, 701, 874 79, 399, 381 206, 176, 184			
Grand totals, Metropolitan Toronto	4,741	206,434,	879, 338, 328	1,712,074,602	1,588,835,677	3, 342, 137, 321			

¹ Includes: Tobacco products industries group, 4; animal oils and fat plants, 4; breakfast cereal manufacturers, 3; flour mills, 1; fruit and vegetable canners and preservers, 23; macaroni manufacturers, 6; process cheese manufacturers, 3; slaughtering and meat packing plants, 25; sugar refineries, 1; vegetable oil mills, 3; wineries, 3.
² Includes: Boot and shoe findings manufacturers, 1; leather belting manufacturers, 1; leather glove factories, 3; leather tanneries, 4.
³ Includes: Carpet, mat and rug industry, 2; cordage and twine industry, 2; cotton yarn and cloth mills, 2; linoleum and coated fabrics industry 3; ressed and punched felt mills, 5; synthetic textile mills, 2; thread mills, 3; wool cloth mills, 1; wool yarn mills, 4.
⁴ Includes: Fabric glove manufacturers, 1; foundation garment industry, 13.
³ Includes: Coffin and casket industry, 2; hardwood flooring, 3; sawmills (except shingle mills), 1; wooden box factories, 7; woodenware, 3; wood handles and turning. 4.

wood handles and turning, 4.

6 Includes: Asphalt roofing manufacturers, 1; paper bag manufacturers, 12.
7 Includes: Auminium rolling, casting and extruding, 13; copper and alloy rolling, casting and extruding, 9; steel pipe and tube mills, 3.
8 Includes: Agricultural implement industry, 1; miscellaneous machinery and equipment manufacturers, 102; office and store machinery manu-

facturers, 11.

Includes: Aircraft and parts manufacturers, 12; boatbuilding and repair, 6; miscellaneous vehicle manufacturers, 2; railroad rolling stock industry, 2; shipbuilding and repair, 2; head offices, 1.

Includes: Battery manufacturers, 4; manufacturers of electrical industrial equipment, 35; manufacturers of electric wire and cable, 4.

Includes: Abrasives manufacturers, 2; asbestos products manufacturers, 2; clay products manufacturers (from imported clays), 1; glass manufacturers, 2; mineral wool manufacturers, 2; refractories manufacturers, 3; head offices, 2.

Includes: Anufacturers of lubricating oils and greases, 8; other petroleum and coal products industries, 6; head offices, 1.

Includes: Artificial flowers and feathers manufacturers, 9; artificial ice manufacturers, 5; button, buckle and fastener industry, 3; candle manufacturers, 1; fur dressing and dyeing industry, 2; instrument and related products manufacturers, 5; musical instrument industry and sound recording industry, 10; ophthalmic goods manufacturers, 8; smokers' supplies manufacturers, 4; typewriter supplies manufacturers, 5; umbrella manufacturers, 1; venetian blind manufacturers, 12. 1; venetian blind manufacturers, 12.

The Following Municipalities are included in Greater Toronto

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nui	nber		dol	lars	
Toronto (city proper)	2,971	120,335	506,872,752	999,132,659	851,461,939	1,872,972,293
Etobricoke Township	413	17,035	73,189,969	138,578,071	148,019,241	291,304,894
Forest Hill	9	64	178,345	205,732	255,415	471,978
Leaside	48	6,725	29,412,442	54,405,984	44,636,705	99,780,727
Long Branch	24	1,034	4,239,431	10,534,891	11,328,122	22,358,260
Mimico	39	1,189	4,711,551	9,384,014	10,081,449	19,482,032
New Toronto	37	6,817	34,409,933	92,727,381	74,267,593	171,621,361
Scarborough Township	346	13,360	55,815,716	99,332,997	117,413,444	215,814,464
Swansea	17	856	3,947,837	7,862,606	6,761,541	14,821,312
Weston	69	2,702	10,684,418	21,256,313	17,109,668	40,417,583
York Township	227	10,343	45,183,616	85,945,471	94,605,653	183,232,297
York East Township	101	4,996	19,897,695	38,470,689	42,519,491	82,126,710
York North Township	440	20,978	90,794,623	154,237,794	170,375,416	327,733,410
Totals	4,741	206, 434	879, 338, 328	1,712,074,602	1,588,835,677	3,342,137,321

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 — Continued

HAMILTON METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nui	mber	dcllars			
Food and beverage industries: Bakeries	59	1,445	4,555,269	4, 505, 580	6, 149, 496	11.026.970
Confectionery manufacturers	7 9	391	976,052 70.252	1,911,957 552,926	3, 354, 133 130, 106	11,026,970 5,237,782 698,725
Feed manufacturers Fruit and vegetable canners and preservers Pasteurizing plants	13 9	1,466	4, 279, 537 3, 458, 774	11,743,449 7,672,553	7, 344, 291 4, 678, 485	18,850,939 12,613,222
Pasteurizing plants Slaughtering and meat packing plants Soft drink manufacturers	8	1,007	4, 170, 488 596, 157	33, 879, 880 934, 534	8, 994, 212 1, 926, 849	43, 566, 229 2, 931, 434
All other industries ¹	25	422	1, 510, 181	10, 172, 777	4, 295, 905	15, 124, 489
Totals	136	5, 662	19, 616, 710	71, 373, 656	36, 873, 477	110, 049, 790
Textile industries:		75	046 002	188,749	264 660	546,818
Canvas products industry Cotton yarn and cloth mills All other industries ²	5 3 13	831 717	246,983 2,710,727	4, 223, 860	364,668 4,677,134 4,693,206	9, 136, 464 9, 532, 226
Totals	21		2, 347, 433 5, 305, 143	4,731,297 9,143,906	9, 735, 008	19, 215, 508
Totals	21	1,623	0, 300, 143	3, 143, 300	5, 130, 008	18, 210, 500
Clothing industries: Fur goods industry	4	20	74,003	98,496	127, 179	227, 894
Men's clothing factories All other industries ³	5 6	632	1,767,043 117,305	2, 120, 823 101, 125	2,327,503 188,805	4, 425, 577 292, 893
Totals	15	708	1, 958, 351	2, 320, 444	2, 643, 487	4, 946, 364
Wood industries:						
Sash and door and planing mills (excluding hard-	13	395	1, 424, 948	2, 185, 326	2, 130, 080	4,440,141
wood flooring) Wooden box factories All other industries ⁴	5	96 124	276, 941 399, 579	384, 896 508, 637	447,005 693,342	841, 263 1, 226, 197
Totals	23	615	2, 101, 468	3,078,859	3, 270, 427	6, 507, 601
Furniture and fixture industries:						
Household furniture industry All other industries ⁵	33 9	109 214	321, 132 857, 946	266, 004 733, 214	452,688 1,175,966	728,308 1,885,791
Totals	42	323	1, 179, 078	999, 218	1, 628, 654	2, 614, 099
Paper and allied industries:6						
Totals	19	1,686	6, 934, 885	22, 532, 155	12, 874, 402	35, 508, 846
Printing, publishing and allied industries: Engraving and duplicate plates	9	181	1,070,586	320,462	1, 462, 108	1,801,107
Printing and bookbinding All other industries ⁷	57 15	424 841	1, 805, 580 3, 852, 803	1,587,192 3,774,160	2, 797, 176 8, 363, 687	4, 445, 132 12, 149, 116
Totals	81	1,446	6, 728, 969	5, 681, 814	12, 622, 971	18, 395, 355
20025	01	1, 420	0, 120, 303	0,001,014	10,000,011	16, 350, 303
Metal fabricating industries (except machinery and transportation equipment industries):						
Hardware tool and cutlery manufacturers	22 20	610	2,645,527 895,160	2, 322, 162 954, 150	4,708,245 1,659,038	7, 312, 119 2, 640, 792
Machine shops Metal stamping, pressing and coating industry Wire and wire products manufacturers All other industries	20 28 19	2.318	12,304,635 13,634,769	14, 998, 408 36, 751, 943	18,664,686 22,287,029	33, 461, 406 59, 459, 537
All other industries ⁸	31	2,729 1,299	6, 033, 434	10, 392, 088	10, 931, 839	21,562,469
Totals	120	7, 147	35, 513, 525	65, 418, 751	58, 250, 837	124, 436, 323
Machinery industries (except electrical machinery):9						
Totals	24	4, 597	21, 913, 237	28, 674, 191	38, 887, 963	67, 801, 092
Electrical products industries:10						
Totals	24	5, 283	25, 897, 638	28, 082, 793	56, 892, 839	89, 506, 447
Non-metallic mineral products group: Clay products manufacturers (from domestic clays)	7	334	1 310 620	40.047	2 602 020	3, 264, 971
Concrete products manufacturers (from domestic crays) Stone products manufacturers	14	494	1,319,629 2,200,051	40,847	2, 682, 929 4, 160, 028	7,217,369
All other industries ¹¹ .	3 17	1,739	309, 207 7, 176, 833	391,103 7,258,190	415, 210 12, 699, 929	831, 983 21, 129, 136
Totals	41	2,647	11,005,720	10,430,232	19,958,096	32, 443, 459

See footnotes at end of table.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 - Continued

HAMILTON METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
Chemical and chemical products industries: Other chemical industries, n.e.s. All other industries ¹² Totals	19 18 37	489 1,315 1,804	2,305,756 7,032,884 9,338,640	dollars 8,717,422 24,736,500 33,453,922	6,732,240 33,219,626 39,951,866	15, 452, 543 60, 516, 189 75, 968, 732
Miscellaneous manufacturing industries: Dental laboratories Jewellery and silverware manufacturers Signs and displays industry Sporting goods industry Stamp and stencil (rubber and metal) manufacturers All other industries ¹³ Totals	8 6 14 4 5 25	40 75 135 42 93 677	174, 460 246, 006 498, 698 113, 507 408, 369 2, 357, 733	60,782 264,195 403,087 288,128 166,073 3,582,314 4,764,579	211, 101 422,030 1,034,659 301,645 539,721 4,969,811 7,478,967	273,746 690,474 1,457,263 565,554 713,526 8,684,403
All other major groups: ¹⁴ Totals	50	21,010	109,664,309	247, 464, 420	249,340,190	505, 124, 881
Grand totals, Metropolitan Hamilton	695	55,613	260, 956, 446	533,748,940	550, 409, 184	1,104,903,463

¹ Includes: Animal oils and fats plants, 2; biscuit manufacturers, 3; breweries, 1; butter and cheese plants, 2; condenseries, 1; flour mills, 1; macaroni manufacturers, 1; miscellaneous food manufacturers, 6; poultry processors, 2; sausage and sausage casing manufacturers, 5; vegetable oil

macaroni manufacturers, 1; miscellaneous food manufacturers, 6; poultry processors, 2; sausage and sausage casing manufacturers, 1; frour mins, 1;

Includes: Automobile fabric accessory manufacturers, 1; cordage and twine industry, 1; cotton and jute bag industry, 1; embroidery, pleating, hemstitching manufacturers, 2; miscellaneous textiles (n.e.s.) industry, 3; narrow fabric mills, 1; textile dyeing and finishing plants, 1; thread mills, 1; wool cotton mills, 1; wool cotton mills, 1; wool cotton mills, 1; wool cotton mills, 1; hat and cap industry, 3; miscellaneous clothing (n.e.s.) industry, 1; women's clothing factories, 1, 4 Includes: Foundation garment industry, 2; hat and cap industry, 3; miscellaneous wood industries, n.e.s., 1; sawmills (except shingle mills), 1, 5 Includes: Electric lamp and shade industry, 2; hat dwood flooring, 1; miscellaneous wood industries, n.e.s., 1; sawmills (except shingle mills), 1, 6 Includes: Electric lamp and shade industry, 1; other furniture industries, 8, 6 Includes: Electric lamp and shade industry, 1; other furniture industries, 8, 7 Includes: Lithographing, 4; printing and publishing, 7; publishing only, 1; trade composition or typesetting, 3, 8 Includes: Boiler and plate works, 3; fabricated structural metal industry, 1; heating equipment manufacturers, 4; miscellaneous metal fabricating industries, 9; ornamental and architectural metal industry, 14, 9 Includes: Boiler and plate works, 3; fabricated structural metal industry, 1; heating equipment manufacturers, 2; miscellaneous machinery and equipment manufacturers, 18; office and store machinery manufacturers, 5; manufacturers of electrical industrial equipment, 8; manufacturers of electrical wire and cable, 1; manufacturers of major appliances (electric and non-electric) 2; manufacturers of miscellaneous electrical products, 1; manufacturers of miscellaneous electrical products, 1; manufacturers of major appliances (electric and non-electric) 2; manufacturers of miscellaneous electricals and medicines, 1; lass pr

facturers, 1; glass products manufacturers, 3; other non-metallic mineral products industries, 1; ready-mix concrete manufacturers, 3; refractories manufacturers of industrial chemicals, 4; manufacturers of mixed fertilizers, 1; manufacturers of pharmaceuticals and medicines, 1; manufacturers of soap and cleaning compounds, 7; manufacturers of toilet preparations, 2; paint and varnish manufacturers, 3.

**Includes: Artificial ice manufacturers, 1; button, buckle and fastener industry, 1; broom, brush and mop industry, 6; model and pattern manufacturers, 4; ophthalmic goods manufacturers, 2; orthopedic and surgical appliance manufacturers, 2; other miscellaneous industries, 2; plastic fabricators, 3; toys and games industry, 3; venetian blinds, 1, includes: Tobacco and tobacco products, 1; rubber products, 5; boot and shoe findings manufacturers, 3; leather belting manufacturers, 1; leather glove factories, 1; miscellaneous leather products manufacturers, 1; shoe factories, 3; hosiery mills, 1; other knitting mills, 4; copper and alloy rolling, casting and extruding, 2; iron foundries, 5; iron and steel mills, 6; metal rolling, casting and extruding, n.e.s., 6; steel pipe and tube mills, 1; boatbuilding and repairs, 2; more vehicle manufacturers, 2; railroad rolling stock industry, 3; truck body and trailer manufacturers, 1; manufacturers of lubricating oils and greases, 1; other petroleum and coal products industries, 1.

The Following Municipalities are Included in Greater Hamilton

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nun	nber		dollars		
Hamilton (city proper)	534	50,850	243,415,160	494, 976, 608	516,552,881	1,031,197,944
Burlington	48	1,898	7,414,477	20,337,535	15, 437, 900	36,361,632
Dundas	38	1,202	4,626,126	5,622,868	7, 282, 789	12,515,268
Stoney Creek	16	412	1,041,975	3,010,242	1,304,151	4,480,955
Waterdown	6	57	191,855	364,314	312,582	702,437
Barton Township	14	157	579,824	1,474,065	1, 257, 971	2,859,006
Flamborough East Township	12	488	1,635,371	1,850,445	2,576,679	4,638,923
Flamborough West Township	9	141	562,760	1, 157, 694	1,504,525	2,935,025
All others¹	18	408	1,488,898	4,955,169	4, 179, 706	9,212,273
Totals	695	55,613	260, 956, 446	533,748,940	550, 409, 184	1, 104, 903, 463

Ancaster Township, Saltfleet Township.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 - Continued

WINDSOR METROPOLITAN AREA

	TOOK III	INOTOE	TAN AREA			
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number			doll	lars	
Food and beverage industries:	0.4	404	1,319,031	1 500 711	1 000 050	2 450 707
Bakeries	24	434	367, 087	1,508,711 619,492	1, 820, 952 1, 320, 768	3, 456, 707 1, 976, 025
All other industries ¹	31	2,454	10, 841, 035	36, 538, 889	47,141,322	85, 132, 980
Totals	62	2,987	12, 527, 153	38, 667, 092	50, 283, 042	90, 565, 712
Textile industries:						
Miscellaneous textiles (n.e.s.) industry	4	53	133,993	337,060	314,035	654, 397
All other industries ² '	3	23	62,945	71,091	73, 306	142, 717
Totals	7	76	196, 938	408, 151	387, 341	797, 114
Clothing industries:						
Totals ³	6	233	579, 721	706, 793	928, 023	1, 650, 181
Wood industries:						
Sash and door and planing mills (excluding hard	10	00	200 040	000 000	204 200	F00 150
wood flooring)	13	60 42	230, 943 141, 669	339, 328 286, 017	364,360 283,896	720, 152 567, 253
Totals	17	102	372, 612	625, 345	648, 256	1, 287, 405
Furniture and fixture:						
Household furniture industry	20	67	196, 402	236, 123	287, 263	527, 741
Other furniture industries	8	49	199, 968	680, 972	407, 132	1,090,051
Totals	28	116	396, 370	917, 095	694, 395	1, 617, 792
Printing, publishing and allied industries:						
Printing and bookbinding	26	165	608,829	507, 699	982,059	1,521,872
All other industries ⁵	12	507	2,696,524	1,753,765	4,503,398	6, 267, 078
Totals	38	672	3, 305, 353	2, 261, 464	5, 485, 457	7, 788, 950
Metal fabricating industries (except machinery and transportation equipment industries);						
Hardware, tool and cutlery manufacturers	33	695	3,611,983	1,675,796	5, 140, 779	6, 866, 469
Machine shops	8	90	360, 458	179,915	533,034	739, 103
All other industries ⁶	31	2,066	9,774,012	13, 735, 466	17,046,174	31,467,326
Tetals	72	2, 851	13, 746, 453	15, 591, 177	22, 719, 987	39, 072, 898
Machinery industries (except electrical machinery):						
Totals ⁷	11	725	3, 465, 566	5, 888, 759	6, 844, 124	13, 470, 066
Electrical products industries:						
Totals	7	108	424, 229	986, 794	730, 665	1, 710, 881
Non-metallic mineral products industries:						
Totals9	13	367	1, 566, 876	2, 516, 877	3, 883, 724	6, 577, 841

See footnotes at end of table.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 - Continued

WINDSOR METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nur	mber		do	llars	
Chemical and chemical products industry:				I	1	1
Manufacturers of toilet preparations	3	11	23,500	18.000	49, 295	68,273
Other chemical industries, n.e.s.	4	28	110,893	317,716	275,438	555, 156
Paint and varnish manufacturers	6	184	818,710	2,719,869	2,906,310	5,667,996
All other industries ¹⁰	11	357	1,677,273	2, 174, 846	6,379,796	8,678,978
Totals	24	580	2,630,376	5,230,431	9,610,839	14, 970, 403
Miscellaneous manufacturing industries:	_					
Dental laboratories	7	21	76,532	32,557	113,802	147, 257
Signs and displays industry	6	34	153,037	79,765	244,619	334, 140
All other industries ¹¹	31	513	2, 278, 147	1,930,052	4, 843, 074	6,835,439
Totals	44	568	2,507,716	2,042,374	5,201,495	7, 316, 836
All other major groups ¹² :						
Totals	51	14,385	77,038,398	182, 937, 838	119, 283, 226	307, 958, 192
Grand totals, Metropolitan Windsor	380	23,770	118,757,761	258, 780, 190	226,700,574	494, 784, 271

¹ Includes: Breakfast cereal manufacturers, 1; breweries, 1; butter and cheese plants, 1; confectionery manufacturers, 3; distilleries, 1; feed manufacturers, 3; fruit and vegetable canners and preservers, 5; miscellaneous food manufacturers, 4; pasteurizing plants, 5; poultry processors, 1; sausage and sausage casing manufacturers, 3; slaughtering and meat packing plants, 3.

² Includes: Canvas products, 2; narrow fabric mills, 1.

³ Includes: Children's clothing industry, 2; fabric glove manufacturers, 1; fur goods industry, 2; men's clothing factories, 1.

⁴ Includes: Coffin and casket industry, 1; miscellaneous wood industries, 1; wooden box factories, 1; wood handles and turning, 1.

⁵ Includes: Engraving and duplicate plates, 1; lithographing, 6; printing and publishing, 2; publishing only, 1; trade and composition ortypesetting.

and coating industry, 11; miscellaneous metal fabricating industries, 6; ornamental and architectural metal industry, 8; whre and whre products manufacturers, 3.

7 Includes: Miscellaneous machinery and equipment manufacturers, 9; office and store machinery manufacturers, 2.

8 Includes: Communications equipment manufacturers, 1; manufacturers of electrical industrial equipment, 4; manufacturers of miscellaneous electrical products, 1; manufacturers of small electrical appliances, 1.

9 Includes: Concrete products manufacturers, 5; glass products manufacturers, 3; other non-metallic mineral products industries, 1; ready-mix concrete manufacturers, 3; store products manufacturers, 1.

10 Includes: Manufacturers of pharmaceuticals and medicines, 8; manufacturers of soap and cleaning compounds, 3.

11 Includes: Artificial ice manufacturers, 2; button, buckle and fastener industry, 1; instrument and related products manufacturers, 2; jewellery and silverware manufacturers, 3; model and pattern manufacturers, 8; orthopedic and surgical appliance manufacturers, 1; plastic fabricators, n.e.s., 5; smokers' supplies manufacturers, 1; sporting goods industry, 5; stamp and stencil (rubber and metal) manufacturers, 1; toys and games industry, 1; venetian blind manufacturers, 1;

venetian blind manufacturers, 1.

12 Includes: Rubber products, 2; miscellaneous leather products manufacturers, 1; other knitting mills, 1; folding boxes and set-up boxes manufacturers, 1; other paper converters, 1; aluminum rolling, casting and extruding, 1; copper and alloy rolling, casting and extruding, 2; iron foundries, 5; iron and steel mills, 1; metal rolling, casting and extruding, n.e.s., 2; boatbuilding and repair, 1; motor vehicle manufacturers, 3; motor vehicle parts and accessories manufacturers, 24; truck body and trailer manufacturers, 6.

The Following Municipalities are Included in Greater Windsor

THE POHOWING MUNICIPATIONS SEE MELICIAN OF CASE WINDSOL							
Municipality	Estab- lish- ments	Employees	Salaries and wages Cost at plant of materials used		Value added by manufacture	Selling value of factory shipments	
	num	ber		dol	lars		
Windsor (city proper)	287	22, 152	112, 225, 758	244,010,059	214,719,901	467,675,624	
La Salle	7	55	159,124	175, 241	330,975	525,891	
Riverside	9	147	554,634	1,617,551	945,450	2,580,594	
Sandwich East townships	31	514	2,235,224	3, 199, 864	4, 261, 258	7,536,271	
All others¹	46	902	3, 58 3, 021	9,777,475	6,442,990	16,465,891	
Totals	380	23,770	118,757,761	258, 780, 190	226, 700, 574	494,784,271	

¹ Includes: St. Clair Beach; Tecumseh; Sandwich South Township; Sandwich West Township.

setting, 2.

Includes: Boiler and plate works, 1; fabricated structural metal industry, 1; heating equipment manufacturers, 1; metal stamping, pressing and coating industry, 11; miscellaneous metal fabricating industries, 6; ornamental and architectural metal industry, 8; wire and wire products manufacturers, 11; miscellaneous metal fabricating industries, 6; ornamental and architectural metal industry, 8; wire and wire products manufacturers.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 - Continued

WINNIPEG METROPOLITAN AREA 1960

WINNI	PEG MEI	ROPULITA	IN AREA 190	10			
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	
	nutr	nber		dolla	rs		
Food and beverages industries:							
Bakeries	65	1, 263	4,694,817	5,662,076	7, 165, 710	13, 203, 224	
Breweries	6	620	3,059,438	3,079,463	11, 294, 163	14,481,634	
Confectionery manufacturers	14	334	771,084	1,896,565	1,601,652	3,529,223	
Feed manufacturers	18	184	- 732,758	6,331,600	2,402,999	8,904,682	
Fruit and vegetable canners and preservers	7	92	243,750	948,612	440,723	1,335,997	
Miscellaneous food manufacturers	19	663	2, 160, 998	14, 375, 879	6,278,911	20, 102, 633	
Pasteurizing plants	9	874	3,434,842	11,931,979	5,820,386	18,053,313	
Poultry processors	8	173	346,549	2,076,892	701,851	2,777,762	
Sausage and sausage casing manufacturers	6	178	715,516	3,312,346	1, 184, 940	4,526,768	
Slaughtering and meat packing plants	11	2,740	12,716,667	92, 792, 930	24,775,251	118,022,781	
Soft drink manufacturers	10	274	1,069,674	2,066,582	3,954,179	6, 164, 186	
All other industries ¹	22	1,123	3,740,506	26,061,520	9,780,531	34,536,074	
Totals	195	8,518	33, 686, 599	170, 536, 444	75, 401, 296	245, 638, 277	
Leather industries:							
Leather glove factories	7	241	556, 449	948,730	752, 268	1,773,011	
All other industries ²	12	313	845, 238	2, 375, 863	1,277,470	3,735,785	
Totals	19	554	1,401,687	3,324,593	2, 029, 738	5,508,796	
Textile industries:							
Canvas products industry	6	70	200, 102	440, 401	332,300	764,628	
Miscellaneous textiles (n.e.s.) industry	14	108	301, 136	787, 921	565,126	1,370,441	
All other industries ³	12	314	991,709	5,385,417	2,299,030	7,682,676	
Totals	32	492	1,492,947	6, 613, 739	3, 196, 456	9, 817, 745	
Clothing industries:							
Fur goods industry	42	452	1,444,657	2,777,087	2, 187, 582	4,941,778	
Hat and cap industry	11	316	717, 030	755, 823	1,041,154	1,777,485	
Men's clothing factories	49	2,657	6, 448, 444	12,684,732	9, 433, 355	22, 277, 708	
Women's clothing factories	25	1,563	4,349,673	8,575,284	6,867,363	15, 461, 583	
All other industries ⁴	10	384	897,419	1,358,942	1,479,438	2,861,841	
Totals	137	5,372	13,857,223	26, 151, 868	21,008,892	47, 320, 395	
Wood industries:				,			
Sash and door and planing mills excluding hardwood flooring	21	424	1,409,439	1,777,428	1,673,936	3,433,507	
All other industries ⁵	10	1	807, 069	1,445,671	1,500,998	3,016,064	
Totals	31		2,216,508	3,223,099	3, 174, 934	6,449,571	
10(815	31	100	2, 210, 300	3, 223, 033	3, 114, 304	0,443,311	
Furniture and fixture industries:							
Household furniture industry	81	991	3,398,511	6,350,036	5, 148, 661	11,589,985	
Other furniture industries	19		2,824,308	5,397,576	4, 289, 436	9,810,256	
All other industries ⁶	5	1	41,861	52, 883	82,975	138,082	
Totals	105		6,264,680	11, 800, 495	9,521,072	21,538,323	
Paper and allied industries:					0.004.755	5 404 5	
Corrugated boxes manufacturers	3		951,779	3,279,380	2,061,503	5,421,545	
Folding boxes and set-up boxes manufacturers	4		365, 235	1, 250, 694	796, 871	2,072,460	
All other industries ⁷	14		2,487,278	6, 987, 042	6,585,029	13,711,863	
Totals	21	1,052	3,804,292	11,517,116	9,443,403	21, 205, 868	

See footnotes at end of table.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 — Continued

WINNIPEG METROPOLITAN AREA - Continued

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nur	nber		do	llars	
Printing and publishing and allied industries:		1				
Printing and bookbinding	79	1,512	6, 234, 214	5, 170, 421	9, 961, 286	15, 260, 804
Printing and publishing	24	1,462	5,387,697	4,646,804	11,487,238	16, 262, 636
Publishing only	15	133	480,387	843,867	1, 143, 191	1, 987, 058
Trade composition or typesetting	4	12	46,750	20,736	66, 087	88,099
All other industries*	12	364	1,725,934	887,602	2, 242, 648	3, 137, 390
Totals	134	3, 483	13, 874, 982	11,569,430	24, 900, 450	36, 735, 987
Primary metals industries:						
Totals ^o	9	522	2, 146, 478	2,639,855	4,019,345	6, 766, 868
Metal fabricating industries (except machinery and						
transportation equipment):						
Machine shops	32	358	1,538,306	1, 132, 027	2,302,021	3,456,312
Metal stamping, pressing and coating industry	31	1,064	4, 117, 158	7,581,285	7,099,409	15,011,746
Miscellaneous metal fabricating industries	8	526	2, 259, 944	5, 095, 955	4, 245, 105	10,080,377
Ornamental and architectural metal industry	12	220	808,004	908,592	1, 362, 091	2, 281, 616
	18	1, 189	5,642,261	7,668,279	17,828,808	25, 832, 531
Totals	101	3, 357	14, 365, 673	22, 386, 138	32,837,434	56, 662, 582
Machinery industries (except electrical machinery):						
Agricultural implement industry	11	488	1,790,504	4,996,810	3,890,293	9,001,352
All other industries ¹¹	15	598	2,461,185	3, 213, 652	4, 149, 152	7, 253, 125
Totals	26	1,086	4, 251, 689	8, 210, 462	8,039,445	16, 254, 477
Pransportation equipment industries:				P (Samura		
Truck body and trailer manufacturers	6	133	460,012	532,604	722, 980	1 040 070
All other industries ¹²	18	5, 217	20, 829, 756	25, 157, 394		1, 246, 279
					26,717,805	52, 580, 381
Totals	24	5, 350	21, 289, 768	25, 689, 998	27, 440, 785	53, 826, 660
Electrical products industries:						
Manufacturers of miscellaneous electrical products.	7	210	689,980	1,515,966	1, 282, 264	2,901,056
All other industries ¹³	8	380	1,357,928	3, 053, 522	3, 463, 440	6,655,772
Totals	15	590	2,047,908	4, 569, 488	4,745,704	9, 556, 828
Non-metallic mineral products industries:						
Glass products manufacturers	5	54	156,952	464,688	347,070	818,544
All other industries ¹⁴	21	1,054	4, 446, 080	6,910,854	7,621,798	15, 147, 230
Totals	26	1, 108	4, 603, 032	7, 375, 542	7, 968, 868	15, 965, 774
Chemical and chemical products industries:						
Manufacturers of industrial chemicals	3	77	306, 271	271,060	1,333,075	1,625,079
Other chemical industries, n.e.s.	10	63	213, 267	1,878,726	1,070,529	2,858,539
Paint and varnish manufacturers	5	268	994, 396	3,795,798	2,814,646	6,613,889
All other industries ¹⁵	16	217	786,714	1,376,610	2, 312, 150	3,702,165
Totals	34	625	2,300,648	7, 322, 194	7, 530, 400	

See footnotes at end of table.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 - Continued

WINNIPEG METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nun	ber		dol	lars	
Miscellaneous manufacturing industries:						
Dental laboratories	26	127	484,034	160,457	659,227	824,759
Orthopedic and surgical appliance manufacturers	4	15	45,543	51,730	63,066	116,834
Signs and displays industry	12	262	1,078,154	634,930	1,736,484	2,409,377
Stamp and stencil (rubber and metal) manufacturers	5	18	74,092	11,935	102,971	115,276
Statuary, art goods, regalia and novelty manufacturers	8	80	189,128	192,341	278,579	497,806
All other industries16	43	625	2,002,622	3,587,972	3,855,052	7,399,207
Totals	98	1, 127	3,873,573	4,639,365	6, 695, 379	11, 363, 259
All other major groups:						
Totals ¹⁷	10	510	1,998,045	15, 140, 690	3, 662, 096	20, 814, 490
Grand totals, Metropolitan Winnipeg ,	1,017	36, 307	133, 475, 732	342,710,516	251, 615, 697	600, 225, 572

- Includes: Corm and casket industry, 2; misce hancous wood industries, n.e.s., 2; wooden box factories, 3; woodenware, 1, veneer and plywood mills, 1.
 Includes: Electric lamp and shade industry, 3; office furniture industry, 2.
 Includes: Asphalt roofing manufacturers, 3; paper bag manufacturers, 2; pulp and paper mills, 2; other paper converters, 7.
 Includes: Engraving and duplicate plates, 6; lithographing, 6.

 - Includes: Copper and alloy rolling, casting and extruding, 1; iron foundries, 4; iron and steel mills, 0; metal rolling, casting and extruding,
- n.e.s., 4.

 10 Includes: Boiler and plate works, 1; fabricated structural metal industry, 4; hardware, tool and cutlery manufacturers, 3; heating equipment manufacturers, 8; wire and wire products manufacturers, 2.

 11 Includes: Commercial refrigeration and air conditioning equipment manufacturers, 3; miscellaneous machinery and equipment manufacturers, 12.

 12 Includes: Aircraft and parts manufacturers, 3; boatbuilding and repair, 4; motor vehicle manufacturers, 2; motor vehicle parts and accessories

13 Includes: Aircraft and parts manufacturers, 3; boatbuilding and repair, 4; motor vehicle manufacturers, 2; motor vehicle parts and accessories manufacturers, 4; raifroad rolling stock industry, 5.
13 Includes: Battery manufacturers (from domestic clays), 1; concrete products manufacturers, 9; gypsum products manufacturers, 10 includes: Clays products industries, 3; ready-mix concrete manufacturers, 1; stone products manufacturers, 5.
15 Includes: Explosives and ammunition manufacturers, 0; manufacturers, 1; stone products manufacturers of pharmaceuticals and medicines, 5; manufacturers of printing inks, 3; manufacturers of soap and cleaning compounds, 6; manufacturers of toilet preparations, 1.
16 Includes: Artificial flowers and feathers manufacturers, 1; artificial loe manufacturers, 1; broom, brush and mop industry, 6; clock and watch manufacturers, 3; fur dressing and dyeing industry, 2; hair goods manufacturers, 1; instrument and related products manufacturers, 2; jewellery and silverware manufacturers, 4; model and pattern manufacturers, 1; ophthalmic goods manufacturers, 2; other miscellaneous industries, 1; plastic fabricators, n.s., 9; sound recording industry, 1; sporting goods industry, 2; toys and games industry, 2; venetian blinds manufacturers, 1; opter petroleum erfning, 1.

tries. 3; petroleum refining, 1.

The Following Municipalities are Included in Greater Winnipeg

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nun	nber	dollars			
Winnipeg (City proper)	767	24,689	87,508,238	166,238,709	165,509,208	334,895,200
East Kildonan	23	409	1,421,976	3,150,368	3,550,948	6,693,052
St-Boniface	86	5,017	21,136,140	124,744,591	39,567,291	167,756,877
St-James	72	2,988	11,087,441	19,603,761	20,973,269	41,008,810
All others1	69	3,204	12,321,937	28,973,087	22,014,981	49,871,633
Totals	1,017	36,307	133, 475, 732	342,710,516	251, 615, 697	600, 225, 572

¹ Includes: Brooklands; Transcona; Tuxedo; Assiniboia Municipality; Charleswood Municipality; Fort Garry Municipality; North Kildonan Municipality; Old Kildonan Municipality; St-Vital Municipality; West Kildonan Municipality;

¹ Includes: Animal oils and fat plants, 2; biscuit manufacturers, 4; breakfast cereal manufacturers, 4; butter and cheese plants, 3; flour mills, 3; ice cream manufacturers, 2; macaroni manufacturers, 2; sugar refineries, 1; vegetable oil mills, 1.

² Includes: Leather tanneries, 2; miscellaneous leather products manufacturers, 5; shoe factories, 5.

³ Includes: Automobile fabric accessory manufacturers, 3; carpet, mat and rug industry, 2; cotton and jute bag industry, 3; embroidery, pleating, hemstitching manufacturers, 4.

⁴ Includes: Children's clothing industries, 6; miscellaneous clothing (n.e.s.) industry, 3; women's clothing contractors, 1.

⁵ Includes: Coffin and casket industry, 2; miscellaneous wood industries, n.e.s., 2; wooden box factories, 3; woodenware, 1; wood preservation, vence and bluvace mills, 1.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 - Continued

VANCOUVER METROPOLITAN AREA

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	
	nu	mber		đo	ars		
Food and beverage industries:		1		1	1	1	
Bakeries	164	2,169	8, 138, 373	9, 200, 516	11, 959, 423	21,668,600	
Breweries	3	432	2, 147, 925	3, 562, 376	12, 574, 830	16, 436, 683	
Confectionery manufacturers	22	263	834,640	1,555,309	1, 360, 444	2, 899, 356	
Feed manufacturers	14	407	1,664,996	11,743,515	3, 298, 653	15, 321, 826	
Fish products industry	20	1,394	5, 357, 734	20,696,760	9, 841, 910	40, 788, 174	
Fruit and vegetable canners and preservers	20	810	2,449,271	11, 172, 555	5, 560, 024	16, 780, 793	
Miscellaneous food manufacturers	38	841	3,326,048	29, 295, 759	11,528,675	41, 111, 446	
Pasteurizing plants	12	1,411	6, 171, 256	18, 408, 790	9, 996, 201	28, 902, 886	
Poultry processors	17	361	983, 980	7, 956, 935	1,387,326	9, 423, 173	
Sausage and sausage casing manufacturers	10	128	581,576	2,318,917	1,079,055	3, 443, 372	
Slaughtering and meat packing plants	10	1,528	7, 183, 446	47,614,552	11,644,363	59, 070, 070	
Soft drink manufacturers	7	219	924, 916	1,412,669	3,311,294	4, 818, 046	
All other industries ¹	17	1,125	5,031,292	18,559,045	13,539,546	31,653,513	
Totals	354	11,088	44, 795, 453	183, 497, 698	97, 081, 744	292, 317, 938	
Leather industries:							
Leather glove factories	4	58	163,841	179,678	202, 877	405, 934	
Miscellaneous leather products manufacturers	5	108	269, 133	353, 249	419, 507	829, 785	
All other industries ²	7	87	281, 042	421,238	435, 893	878, 138	
Totals	16	253	714, 016	954, 165	1,058,277	2, 113, 857	
Textile industries:							
Canvas products industry	7	192	524,031	200 250	0.05 0.05	4 805 005	
Miscellaneous textiles (n.e.s.) industry	9	115	386, 437	890, 358	897,627	1,785,897	
All other industries ³	18	425		712, 204	530, 188	1, 262, 495	
Totals	34	732	1, 459, 662 2, 370, 130	3, 313, 871 4, 916, 433	2, 411, 734 3, 839, 549	5, 695, 978 8, .44, 370	
Clothing industries:			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2, 523, 255	0,000,040	0, .11,010	
					1		
Fur goods industry	15	65	193, 396	196, 928	295, 378	487,399	
Men's clothing factories	15	719	1,956,234	3, 084, 412	2,758,914	5, 831, 457	
All other industries ⁴	20	583	1,687,242	2, 688, 790	2, 577, 692	5, 216, 698	
Totals	3 53	1, 388	48,611	28, 995	63, 198	93, 450	
Wood industries:	93	1, 300	3, 885, 483	5, 999, 125	5, 695, 182	11, 629, 004	
Coffin and casket industry	4		000 004	450 -0-			
Miscellaneous wood industries, n.e.s.	4	78	268, 334	453, 537	385, 676	828,643	
Sash and door and planing mills (excluding hard-	21	478	2, 249, 364	5, 706, 955	4,543,110	10, 596, 591	
wood flooring)	69	1, 210	5, 449, 464	10,818,303	8, 066, 106	19, 444, 854	
Sawmills	69	8,692	40, 320, 943	76, 279, 076	58, 218, 700	136, 060, 264	
Veneer and plywood mills	11	4, 136	18,637,162	32, 204, 540	23, 371, 762	55, 478, 099	
Wooden box factories	16	115	294, 900	370,733	410,721	794, 105	
All other industries ⁵	9	133	531,311	992, 972	673,992	1,776,059	
Totals	199	14, 842	67, 751, 478	126, 826, 116	95, 670, 067	224, 978, 615	
Furniture and fixture industries:							
Household furniture industry	121	1, 176	4,254,201	6,540,683	6, 255, 767	12,926,388	
Other furniture industries	37	559	2,279,509	3, 775, 114	3, 707, 901	7,602,962	
All other industries ⁶	6	133	478,622	580, 557	632, 754	1, 248, 077	
Totals	164	1,868	7, 012, 332	10, 896, 354	10, 596, 422	21, 777, 427	
aper and allied industries:							
Other paper converters	14	191	704, 191	1,600,058	1, 187, 058	2,791,336	
All other industries ⁷	20	2,774	13,618,043	27, 401, 567	26,347,076	54, 218, 962	
Totals	34	2, 965	14, 322, 234	29, 001, 625	27, 534, 134	57, 010, 298	

See footnotes at end of table.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 — Continued

VANCOUVER METROPOLITAN AREA - Continued

VANCOUVI	ER METRO	POLITAN	AREA - Cor	tinued		,	
Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	
	nun	ber		dolla	dollars		
Printing, publishing and allied industries:				1]	1	
Engraving and duplicate plates	12	151	764,336	220, 150	1,090,192	1,324,903	
Lithographing	16	551	2,644,325	2,873,598	4,042,644	6,941.712	
Printing, bookbinding and publishing	122	2,710	13,676,469	7, 873, 454	23, 335, 325	31, 452, 497	
Publishing only	37	171	599,065	1, 262, 032	3,070,654	4,331,386	
Trade composition or typesetting	4	27	143,561	7,180	209,094	218,620	
Totals	191	3,610	17, 827, 756	12, 236, 414	31, 747, 909	44, 269, 118	
Primary metal industries:							
Iron foundries	8	316	1,590,381	818, 166	2, 261, 722	3, 130, 579	
Metal rolling, casting and extruding, n.e.s	6	109	534,483	1, 228, 115	1,238,908	2,347,564	
All other industries	20	1,028	5, 143, 233	17,492,773	8,463,180	27, 803, 903	
Totals	. 34	1,453	7, 268, 097	19,539,054	11,963,810	33, 282, 046	
Metal fabricating industries (except machinery and transportation equipment industries):							
Boiler and plate works	9	162	827,479	1,097,723	888, 479	2,019,857	
Machine shops	55	583	2,637,238	2,038,689	3,959,706	6,108,089	
Miscellaneous metal fabricating industries	31	402	1,921,746	3,059,319	2,646,964	5,856,654	
Ornamental and architectural metal industry'	44	389	1,646,815	2, 201, 404	2,745,128	5,001,693	
Wire and wire products manufacturers	19	566	2,676,353	4,550,690	4,957,928	9,667,944	
All other industries9	63	2,725	13,915,302	25,068,525	24, 132, 613	49, 400, 233	
Totals	221	4,827	23, 624, 933	38,016,350	39, 330, 818	78, 054, 470	
Machinery industries (except electrical machinery):							
Miscellaneous machinery and equipment manufac-							
turers	39	1,388	6,579,355	6,793,283	11,633,417	18,720,611	
All other industries 10	3	56	274,978	226,318	475,046	787,050	
Totals	42	1,444	6,854,333	7,019,601	12, 108, 463	19,507,661	
Transportation equipment industries:							
Boatbuilding and repair	45	301	1,078,011	968, 669	1,391,271	2,364,200	
Truck body and trailer manufacturers	13	251	1, 188, 242	2, 130, 463	1,489,391	3,687,000	
All other industries ¹¹	24	2, 108	10,318,327	6,945,352	17,365,698	24,735,648	
Totals	82	2,660	12,584,580	10,044,484	20, 246, 360	30, 786, 848	
Electrical products industries:							
Manufacturers of electrical industrial equipment	8	239	1,251,416	1,845,590	3,396,671	4,971,937	
All other industries ¹²	25	643	2,929,294	6, 192, 213	5,537,497	11,687,092	
Totals	33	882	4, 180, 710	8,037,803	8, 934, 168	16,659,029	
Non-metallic mineral products industries:							
Concrete products manufacturers	20	266	1,161,860	2,053,495	2,473,562	4,557,160	
Ready-mix concrete manufacturers	5	338	1,490,366	2,606,916	2,490,712	5, 362, 769	
Stone products manufacturers	6	52	172,454	77,030	297,868	375, 683	
All other industries ¹³	23	553	2,559,593	2,966,592	6,020,135	9,705,404	
Totals	54	1,209	5,384,273	7,704,033	11, 282, 277	20,001,016	
Chemical and chemical products:							
Manufacturers of printing inks	5	42	181,756	315, 584	546,770	927,537	
Other chemical industries	31	181	696, 404	1, 244, 762	1,713,260	3,053,844	
Paint and varnish manufacturers	15	339	1,509,480	3,940,001	3, 283, 103	7, 281, 959	
	29	524	2, 436, 867	6,714,517	8, 807, 298	16, 909, 297	
Totals	80	1,086	4,824,507	12,214,864	14,350,431	28, 172, 637	

See footnotes at end of table.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1960 - Concluded

VANCOUVER METROPOLITAN AREA - Concluded

Industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nur	nber		do	llars	
Miscellaneous manufacturing industries:		1				I
Artificial ice manufacturers	4	24	85,099	16, 335	173,601	215,541
Dental laboratories	60	200	768,090	269, 259	1,041,962	1,325,267
Jewellery and silverware manufacturers	11	121	463,622	315,319	653,657	969, 234
Model and pattern manufacturers	6	24	121,291	21,658	154, 576	178,525
Orthopedic and surgical appliance manufacturers	6	17	61,743	36,030	46, 509	85, 080
Plastic fabricators, n.e.s	19	160	575, 163	1, 433, 112	1, 144, 319	2, 698, 423
Signs and displays industry	37	555	2,629,803	2, 369, 499	3,911,417	6,428,050
Sporting goods industry	11	63	171,423	207, 304		556, 988
Statuary, art goods, regalia and novelty, manufacturers	6	9	16,150	10,745	16,904	34, 769
All other industries ¹⁵	32	198	724, 178	557,082	1,444,933	1,716,651
Totals	192	1,371	5, 616, 562	5,236,343	8, 587, 878	14, 208, 528
All other major groups ¹⁶						
Totals	14	1, 189	6, 322, 120	46, 593, 315	15, 193, 106	64, 875, 384
Grand totals, Metropolitan Vancouver	1,797	52, 867	235, 338, 997	528, 733, 777	415, 220, 595	968, 388, 246

¹ Includes: Animal oils and fats plants, 1; biscuit manufacturers, 2; breakfast cereal manufacturers, 2; butter and cheese plants, 1; distilleries, 2; flour mills, 1; ice cream manufacturers, 2; macaroni manufacturers, 2; sugar refineries, 1; wineries, 1.
² Includes: Leather tanneries, 2; shoe factories, 5.
³ Includes: Automobile fabric accessory manufacturers, 2; cordage and twine industry, 3; cotton and jute bag industry, 2; embroidery, pleating, hemstitching manufacturers, 2; fibre preparing mills, 3; linoleum and coated fabrics industry, 1; pressed and punched felt mills, 1; textile dyeing and finishing plants, 1; wool cloth mills, 3.
⁴ Includes: Hat and cap industry, 1; miscellaneous clothing (n.e.s.) industry, 2.
⁵ Includes: Cooperage, 1; hardwood flooring, 1; woodenware, 4; wood handles and turning, 3.
⁶ Includes: Electric lamp and shade industry, 2; office furniture industry, 4.
⁷ Includes: Asphalt roofing manufacturers, 2; corrugated boxes manufacturers, 2; folding boxes and set-up boxes manufacturers, 6; paper bag manufacturers, 6; pulp and paper mills, 4.
⁶ Includes: Aluminum rolling, casting and extruding, 5; copper and alloy rolling, casting and extruding, 9; iron and steel mills, 5; steel pipe and tube mills, 1.

tube mills, 1.

9 Includes: Fabricated structural metal industry, 5; hardware, tool and cutlery manufacturers, 12; heating equipment manufacturers, 8; metal

Includes: Fabricated structural metal industry, 5; hardware, tool and cutlery manufacturers, 12; heating equipment manufacturers, 8; metal stamping, pressing and coating industry, 38.

Includes: Commercial refrigeration and air conditioning equipment manufacturers, 2; office and store machinery manufacturers, 1.

Includes: Aircraft and parts manufacturers, 4; motor vehicle manufacturers, 2; motor vehicle parts and accessories manufacturers, 4; railroad rolling stock industry, 1; shipbuilding and repair, 13.

Includes: Battery manufacturers, 3; communications equipment manufacturers, 8; manufacturers of electric wire and cable, 1; manufacturers of household radio and television receivers, 1; manufacturers of applicances (electric and non-electric), 1; manufacturers of small electric appliances, 4.

Includes: Abrasives manufacturers, 1; asbestos products manufacturers, 3; cement manufacturers, 1; clay products manufacturers (from imported clays), 3; glass products manufacturers, 5; gypsum products manufacturers, 2; lime manufacturers, 1; mineral wool manufacturers, 1; other non-metallic mineral products industries, 2; refractories manufacturers, 2.

Includes: manufacturers of industrial chemicals, 7; manufacturers of plastics and synthetic resins, 3; manufacturers of soap and cleaning compounds, 9; manufacturers of pharmaceuticals and medicines, 7; manufacturers of plastics and synthetic resins, 3; manufacturers of soap and cleaning compounds, 9; manufacturers of toilet preparations, 1.

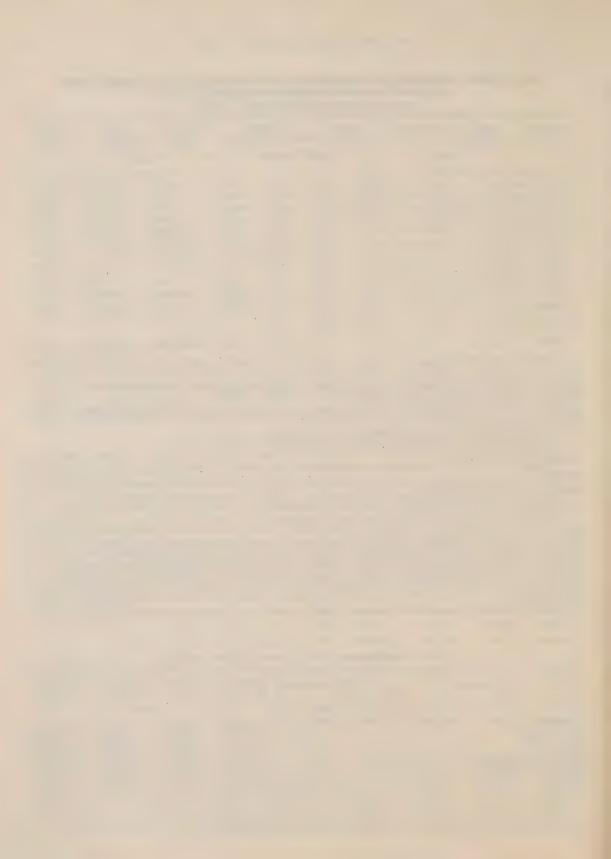
Includes: Broom, brush and mop industry, 6; candle manufacturers, 1; to dressing and dyeing industry, 1; hair goods manufacturers, 2; instrument and related products manufacturers, 1; musical instruments industry, 1; ophthalmic goods manufacturers, 1; other miscellaneous industries, 1; plastic fabricators, n.e.s., 5; stamp and stencil (rubber and metal) manufacturers, 8; toys and games industry, 1; typewriter supplies manufacturers, 1; plastic fabricators, n.e.s., 5; stamp and stencil (rubber and metal) manufacturers, 8; toys and umbrella manufacturers, 3.

16 Includes: Other rubber industries, 7; other knitting mills, 3; other petroleum and coal products industries, 1; petroleum refining, 3.

The Following Municipalities are Included in Greater Vancouver

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nun	ber		do	llars	
Vancouver (City proper) New Westminster North Vancouver Port Coquitlam Port Moody Burnaby District Municipality Richmond District Municipality Survey District Municipality All other ¹	1,189 102 69 9 7 167 90 91 73	32,059 5,707 2,121 105 725 4,329 3,585 1,511 2,725	142, 578, 640 24, 784, 735 10, 009, 485 510, 805 3, 454, 379 20, 296, 881 15, 332, 490 5, 977, 265 12, 394, 335	275, 445, 595 54, 877, 046 12, 372, 617 842, 672 19, 245, 290 75, 731, 083 45, 318, 149 18, 627, 643 26, 273, 682	229, 474, 007 49, 977, 873 18, 369, 322 604, 297 8, 633, 655 41, 361, 811 32, 902, 152 9, 319, 852 24, 577, 626	516, 525, 735 107, 294, 979 32, 816, 643 1, 325, 936 30, 160, 173 118, 723, 183 81, 827, 551 28, 271, 427 51, 442, 619
Totals	1, 797	52, 867	235, 338, 997	528, 733, 777	415, 220, 595	968, 388, 246

¹ Includes: Coquitlam District Municipality; Delta District Municipality; Fraser Mills District Municipality; North Vancouver District Municipality; University Endowment Area; West Vancouver District Municipality; Unorganized and Indian Reserves.



APPENDIX II

Alphabetical List of the Products Reported as having been Manufactured in Canada in 1960

The appended list of the products of Canadian manufacturing industries presents the value and in most cases the quantity of the individual products in a much more detailed form. Prior to 1927, in presenting statistics of manufacturing production, the whole production of an establishment was taken as a unit. This not only prevented the presentation of production figures for specific products in detail, but also involved numerous inaccuracies in the production statistics of classes of commodities, owing to the fact that commodities which may be the major line of production in one establishment may also be products of secondary importance in another establishment where the major line of production puts the establishment into a different class. The statistics which follow, however, have been compiled by taking from the individual returns of each of the 36,682 manufacturing establishments covered, the value and, when given, the quantity of each commodity specified as produced by the establishment. In this way, detailed production figures are obtained for specific commodities and, furthermore, the total production of each commodity is brought together, no matter how varied may be the operations in different establishments producing it. Nevertheless it should be pointed out to those making use of these figures that there is one element of incompleteness about them. In the returns of many manufacturers, products of minor importance are grouped under the name "all other products". As will be seen from the group at the end of the list, the value of products not specified, while they may appear unimportant to the individual manufacturer, are, in the aggregate, a large amount, especially in the industries of two of the larger groups. It is obvious that one manufacturer may consider a product of insufficient importance to report separately for his establishment, while that same product may be reported separately by other establishments. In other words, included in the value of other products not specified at the end of the list, there are doubtless values which, had the products been specified by the manufacturer, would have been included in values of commodities appearing on the list. However, the products not specified total only about 2 per cent in value of the whole manufacturing production, although in the Iron and steel group this proportion is 5 per cent, in Transportation equipment 8 per cent and in Chemicals and allied industries, 6.0 per cent. With the exception of these groups, therefore, the incompleteness of the figures on this account is insignificant.

There is no duplication in the listing of products, nor do any of the items, include products listed in more detail under another name. It is possible, however, that essentially the same commodity produced in different establishments may have been called by different names; in such a case, which is probably a very rare one, the items would appear separately in the following list.

It should be noted that a shipments' concept instead of the value of production concept was adopted in 1952. Items still collected on a production basis are marked with an asterisk.

Alphabetical List of Commodities, 1960

Note: In 1952 and subsequent years the basis of collection, is "Value of factory shipments" instead of "Gross value of products". However, the commodities marked * are still on a production basis.

Items	Unit of measure	Quantity	Value of factory shipments
			S
brasive cloth	-	-	1
brasive paper brasive wheels and segments brasives, not specified (see Also "Alumina fused" and "Silicon Carbide")		_	6, 425, 394
brasives, not specified (see Also "Alumina fused" and "Silicon Carbide")	_	_	1 1 20, 394
osorbent Cotton	-	-	i 1
ccelerators, synthetic cetic anhydride			i
cetone	-	_	1
cetylene in cylinders or pipe line	cu. ft.	209, 650, 904	9,462,892
cid, acetric, glacial, 99½%	_		1
cid, citric	, -	-	1
cid, fatty, cocoanut, tallow, (including stearic)	lb.	22,005,374	2,989,918 1,234,282
CIG. H VOFOLIUOSIIICIC	-	-	1, 201, 202
cid, monochloro acetic	-	- time	1
cid, nitric		_	1
cid, sulphuric	-	-	1
cids, not specified	-	_	766,803
dhesives, n.e.s. dvertising matter, printed, n.e.s.			6,353,017 62,428,323
dvertising matter, printed, n.e.s. dvertising displays (see "Displays")			
gricultural implements and parts, n.e.s.	-	-	25, 775, 712
ir conditioning equipment, n.e.s.	_	-	17, 568, 539
Aircraft completed during the year* Aircraft being built but not completed	-	-	1
Aircraft being built but not completed	-	-	117, 315, 748
Aircraft repairs (value of work done) Aircraft parts manufactured*	_		70,808,271 76,964,539
Value of work done on developing aircraft and engines. (including "Other products		i	
n.e.s. alue of work done in 1959 on aircraft completed in 1960	-	-	53, 957, 204
lcohol, butyl		_	69, 178, 730
lcohol, butyl	pf. gal.	6,341,452	2, 228, 482
lcohol, industrial (sold): Denatured			1
Not denatured	_	_	1
cohol, methyl (methyl hydrate)	-	_	1
cohol, prophyl		_	1
lkvlate feed stocks	bbl.	70,960	99,344
lloy, die casting	lb.	17, 098, 101	1,858,479
lloys, n.e.s.	_	_	1
lumina, fused (crude)	ton	187, 105	19, 417, 568
lumina, fused (abrasice grains)	_	-	i
Tuminum chioride	_	_	1
luminum extruded shapes	1b.	35, 668, 877	18, 847, 186
luminum fluoride	_	_	1
luminum products, n.e.s.	-	_	12,011,353
mmonia, anhydrous	-	-	1
mmonia, aqua mmonia powder	1b.	463,856	55,070
mmonium chioride		-	1
mmonium nitrate (regular)	-	-	1
mmonium nitrate (regular) mmonium nitrate, fertilizer grade (included in ("Pertilizers other than mixed") mmonium phosphate (included in "Fertilizers other than mixed")			
minoritum sulphate, other than milled, screened and pagged (included in "Ferti-			
lizers, other than mixed") mmonium sulphate, milled, screened and bagged	ton	255	00.01
mmunition (See "Munitions and war supplies")	COLL	355	20,811
nodes (for plating) ntibiotics, including penicillin and streptomycin	-		1
ntiplotics, including peniculin and streptomycin	-	-	33,046,296
pple butter		_	1
pple butterpple juice (included in "Fruit juices")			
pple juice concentrate pple pomace, chop and waste	_	_	1
ppres, evaporated and denydrated	-	_	1
pricot concentrate	- dor	40.453	1
prons, plastic prons, rubber, rubberized and oiled	doz.	12, 158 3, 802	81, 535
prons, fabric,		3,002	103, 428
141	"	13, 196	94, 715
Men's and youths'	44	194, 360	1, 248, 199
Women's and misses'		33, 915	204,73
Women's and misses' Not specified	-		185, 151
Women's and misses' Not specified	doz.	4, 260	185, 151 10, 932
Women's and misses' Not specified rchery tackle milets and sleeve supporters rtists' brushes (included in "Brushes, other not specified")	-	4, 260	10, 932
Women's and misses' Not specified	-	4, 260	453, 85° 225, 10°

See footnotes at end of list.

Alphabetical List of Commodities, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Asbestos products, including clutch facings Asphalt	bbl.	9,563,015	2,033,839
Asphalt emulsion Asphalt products, n.e.s.	gal.	16, 771, 392	30,500,111 3,752,461
Atomizers	=	_	4, 463, 927
6,000 lbs. or less:			
For sale in Canada For export	No.	30,590 2,081	50, 408, 919 2, 484, 566
For sale in Canada		10, 445	19, 408, 129
For export	**	593	751, 234
For sale in Canada	44	1,603	3,309,312 1,704
14,001 to 16,000 lbs: For sale in Canada	44	2 040	
For export	**	2,846 336	7, 370, 627 347, 607
For sale in Canada	es .	6,598	18, 618, 306
For export	**	1, 361	1,649,158
For sale in Canada	**	9,788	35,921,378
For sale in Canada Over 33,000 lbs:	44	1,615	8,727,383
For sale in Canada For export	66	1.476	14,599,327 117,647
Automobiles, passenger: Convertible cars:	THE PERSON NAMED IN COLUMN TO SERVICE AND ASSESSMENT OF THE PERSON NAMED IN COLUMN TO	3	111,011
Soft top: For sale in Canada	66	0.001	14 001 011
For export	44	6,321 180	14,821,811 369,342
Hard top: For sale in Canada	48	48,216	109, 861, 472
For export	4.8	2,427	4,048,448
Compact model: 2 door sedan or coupe:			
For sale in Canada For export	6.6	9,977	17, 259, 095 27, 403
4 Door sedan: For sale in Canada	ee l		
For export Other model:	s 4	25,340 2,937	45,725,984 3,992,871
2 Door sedan or coupe:	**		
For sale in Canada For export		37, 937 45	69,850,231 71,488
4 Door sedan: For sale in Canada	4.6	149,090	301,445,490
For export	**	8,512	12, 686, 803
For sale in Canad	6.6	30,618	66, 936, 192 1, 263, 381
Chassis (sold without bodies): For export	d E	3, 864	1,947,522
Buses or choaches: For sale in Canada	4.6	164	4,500,083
Chassis (only for sale in Canada) Automobile, bus and truck bodies and cabs	6 d	1, 168	2, 469, 168
Automobile bumpers and bumperettes	_	_	11,546,513
Automobile cloth	_	_	165, 098, 443
Awnings, aluminum	_	_	2,689,675 1,946,979
Awnings, other, including fibre glass, steel, etc.		_	362,883 779,706
Axles and shafts, automobiles	_		6, 953, 180 462, 246
Babbitt metal	lb.	1,940,564	966,657
Bags:	No.	30,956,611	7, 116, 068
Cotton mesh	16	2,059,716	271,424
Club bags, suitcases and other hand luggage Cosmetic (plastic)	_		8, 186, 215
Garment laundry, etc. (plastic)	No.	820, 156	275, 220 4, 971, 983
iand, plastic		3, 134, 567	4,638,753 811,485
Hand, parts Jute	No.	86,628,310	15, 196, 649
Pabric bags, repaired	No.	552,418	1, 134, 466
Shopping, sport, etc., leather Shopping, sport, etc., fabric	6.6	23,591	174,714 988,522
Sleeping (see also "Infants" wear")	No.	258, 226	2, 141, 859

Alphabetical List of Commodities, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
lags, paper: Flat bags, notions and millinery bags	lb.	14.991.780	3,753,42
Other, including dry cleaner paper bags	4.6	5,947,431	865.85
Glassine, waxed paper, grease proof paper, etc. Multi-wall shipping sacks	"	4,735,878	2,670,89 29,134,91
Self-opening square bags	1b.	99,002,158	16,518,02
Wedge bags	46	8,956,033 4,260,378	2,805,30
Satchel bottom bags	2.6	7, 290, 873	855,34 1,222,25 5,637,36
Paper, not specified ags plastic, cellulose film bags (See also "Bags, cosmetic", "Bags, garment", and "Bags, hand"). ags plastic other, including dry-cleaner plastic	-	~	5,637,36
ags plastic, cellulose film bags (see also "Bags, cosmetic", "Bags, garment", and "Bags, hand")	lb.	5,297,476	4,877,06
ags plastic other, including dry-cleaner plastic	-	_	15,938,11
ags rubber, air and steam (tire curing)	_		1,501,96
akers' equipment including bake pans	-	-	1
ale ties: Quantity made	ton	2,429	
Quantity shipped	4.6	2,497	1, 277, 72 4, 777, 17
Balls, grinding Ball and rod mills, grinding	ton	32,379	1, 234, 42
allons, tov	gr.	324, 234	626,54
allons, meteorological	doz.	31,597	377,38
alls, softballs	84	31,990	420 7
salls other, including play balls, footballs, bowling, golf, tennis, etc.	_	_	2,513,10
sarley, pot and pearl sam and stable equipment, n.e.s.	_	-	181,93
Sam and stable equipment, n.e.s.	_	-	1
Apple, etc.	No.	185,618	385,59
Fish, slack	66	9,754 31,674	16,53 108,96
Fish, tight	_	- 1	1
Flour, sugar, etc. Oil, vinegar, water, etc. Whiskey, beer, etc.	No.	115,548	752,6
Whiskey, beer, etc.		=	5,453,0
Barrels, repaired	-	-	839, 33
Bars and ingots, aluminum (see "Aluminum bars, rods and ingots") Bar and rods, brass and bronze	_	_	1
Bars, Iron and steel:			
Hot rolled, of all grades: Quantity made	ton	404, 752	
Quantity shipped	44	373, 895	62,420,40
Cold rolled and drawn: Quantity made	4.6	40,437	
Quantity shipped	66	39,366	13, 350, 10
Fabricated bar joist	6.6	26,827	7,587,7
Quantity made	44	354,672	
Quantity shipped	66	349,858 95,295	43,483,1 15,830,7
Fabricated concrete reinforcing bars Bars, rods and shapes (Copper, unalloyed) "" (Nickel, alloyed)	-		1,000,1
asket bottoms	M	10,726	265,8
asket and crates, fruit and vegetable	-	10, 120	2,614,7
saskets, other not specified	dos	37,265	803,0
Bathing caps	doz.	32,713	327,3 967,5
Sathing shoes Sathing suits, including trunks, etc.	den	- 1	1
sathing suits, including trunks, etc.	doz.	238,565	6,700,3
Cotton:	46	54 054	0 100 0
Women's and misses'	4.6	54,674 11,045	2, 106, 63 265, 8
Rayon and silk:	66		
Women's and misses' Men's and youths'	44	26, 85 1 7, 868	1,599,9 565,4
Cilitaren S	66	3,744	98,2
Wool and flannel: Women's and misses'	4.6	15.570	986.6
Men's and youths'	**	12,427	1, 183, 3
Children's	6.6	2,398	160,6
Boy's Not specified;		_	
Women's and misses	doz	33, 264	2, 226, 0
Men's and youths' Children's	1 "	3,418	186,1
Not specified	 }	8,544	339,4
Bats, baseball and soft ball	No.	168,339	118,3
Automotive type (all types primarily designed to fit passenger cars):		000 000	2 200
For initial installation For replacement purposes	No.	397,752 1,842,122	3,022,9 16,298,7
Heavy-duty transport, motor coach and diesel starting batteries:			
For initial installation	66	6,734	89,3 1,126,9

Alphabetical List of Commodities, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Batteries — Concluded: Marine	No.	3, 162	116,822
For railway service (excluding railroad signalling but including diesel starting	cell	11,905	200,994
air conditioning, car lighting) For direct motive power (industrial truck, mine locomotive, etc.)	**	18, 420	861,670
For all other purposes (aircraft, motorcycle, communication, etc.)		26,051	1,781,249 1,433,667
Dry cell, 6 in. batteries Dry cell, radio, for portable sets	No. of cells	1,436,164 21,708,186	1,024,465 1,445,939
Dry call radio non-nortable cate	1 14	11,395,601	983,545 3,695,402
Dry cell, hearing aid "A"	1 _	31,005,839	42,40
Dry cell, flashlight Dry cell, hearing aid "A" Dry cell, hearing aid "B" Dry cell, all other Parts and supplies for batteries	-	_	1, 480, 673
Parts and supplies for batteriesattery containers, covers, etc.			1,067,83 3,136,68
Batts, wadding and rolls (including auto batts)		-	5,547,71
searing, ball, roller, pillow blocks, engines and other bearings, not spe- cified	- 1	_	20.108,90
seauty parlour equipment (see also "Hair dressing accessories"	_		1, 348, 23
Beds, metal	No.	89, 421	1,730,56
Studio couches, metal and other		43,710	2,825,53
Cots and bunks, metal	No.	88,950 1,905	851,33 51,52
Seds, camp		22,302	119, 320
Sedspreads and bed sets: Cotton (including quilts)			
Silk, rayon and rayon mixtures	} "	1, 111, 354	4,657,17
Seef Extract	- 1	-	1 194 00
Beekeepers' supplies, n.e.s		_	184,90
Bottled and canned Draught		236,834,164 1,897,526	396, 189, 21 3, 036, 43
Seer, Spruce	44	515,700 132,768	501,94 2,429,69
Beet pulp, wet and driedBelting, leather (transmission)	lb.	134, 773	596,18
Belting, rubber Belts, automobile, fan Belts, automobile, automo	No.	2, 339, 421	9,730,10 1,659,17
Belts, body, fabric or fabric covered	-	-	2,243,940 3,096,84
selts, body, not specified selts, garter selts and belting, rubber, other	doz.	111,658	1,045,44
Belts and belting, rubber, other		_	462, 11
Benzol		157, 108, 330	5,377,19 143,928,75
Beverages (in bulk)	6.6	2,467,200	1,815,77
Bicycles Bicycle parts	_	_	1
Billiard and bowling supplies, n.e.s.	_	_	6,123,28 4,950,56
Binding and stitching (tradework)	- 1	-	4,735,74
Bindings (see also "Tapes"): Cotton	-	-	1,236,30
Mixtures and other, including man-made fibre	_	_	894.36 608.46
Siogicals and vaccines Siscuits, plain and fancy		212,093,925	3,940,72
discuits, soda	11	47, 110, 052	12, 474, 70
Clark aretylene	_	_	1
Black (carbon black) Blackboard, asbestos and other Blankets:	-	-	584, 25
Cotton	_	149, 136	1
All Wool	lb.	817, 176	1.822.65
All synthetics and blends containing synthetic yarns	pr. lb.	595, 980 3, 048, 384	3,924,93
Other, including cotton mixtures and crib blankets		869,729 1,491,629	1,860,89
Slumber throws	No.	7, 811	49,89
Blankets, electric	No.	9,356	40,28
Blankets, rubber, printers'	lb.	375,656	405,97
Bleaching compound Blanks for window blind rollers (sawn)	_	-	469,63
Blinds, venetian (see "Shades and blinds")	lb.	1,949,102	81,97
Blood, animal, dried, inedible		5, 995, 424	205,46
Blooms, billets, slabs and sheet bars including blanks: Quantity shipped	ton	514,613	44,012,94
Cotton, women's and misses'	doz.	515, 982	10, 125, 83
Cotton, wollers and misses Cotton, children's Rayon and rayon mixtures, wolldren's Rayon and rayon mixtures, colldren's		140,514 73,555	2, 164, 30' 1, 800, 690
rayon and rayon mixtures, women's and misses'	**	6,314	107,50

Items	Unit of measure	Quantity	Value of factory shipments
			\$
louses, women's, misses' and children's: Wollen, children's	doz.	22, 143	208,92
Nylon, women's and misses' Nylon, children's	44	36,777	1, 146, 75
Nylon, children's	**	5,400 88,038	95,00 2,766,91
Synthetic, other, children's	44	22, 725	472,60
Other, women's and misses' Other, children's	66	61,676 5,017	1,761,82 75,77
low torches	***	3,017	1
lowers for domestic furnaces	No.	152,094	1,928,63
oats, life and whaleoats, motor	44	25 542	89, 5: 2, 034, 2:
oats, outboard motor	- 88	16,693	6,989,3
oats, outboard motor oats, sall (see also "Canoes") oats, other including row boats skiffs, etc. (see also "Canoes")	"	215	186, 4 2, 085, 4
oats, other including row boats skills, etc. (see also "Canoes")	_	Ξ.	463, 5
oiler compound and chemicals			4, 321, 4
oilers, heating, all types	No.	15, 495	11, 631, 4 22, 201, 2
oilers, poweroilers, range and wash	_	_	3, 240, 3
oilers and engine parts and accessories	-	0 505 040	4, 398, 7
ologona and blood pudding	1b.	9,505,042	2, 617, 2 20, 490, 6
olts, nuts and rivets	lb.	32, 590, 262	1, 210, 0
one, raw, ground, etc	44	23, 181, 277	270,0
ook cloth, pyroxylin coated (included in "Fabrics, coated and impregnated") ooks, printed and bound, chiefly for advertising (included with "Advertising			
matter printed, n.e.s.'')		50, 303, 699	20 205 2
ooks, printed and bound, not chiefly for advertising ooks and pads, drawing, exercise, scribblers, etc. n.e.s.	copy	50, 505, 699	20, 385, 3
ooks, ledger and account	-	-	1,634,6
ooks, ledger and account ooks, counter check, sales, etc. ooks, blank, bound, not specified		_	3, 773, 6
oron carbide	_	_ ;	2,020,5
ottles, paper, milk	M	420,663	6,750.8
ottles, plastic		_	2, 629, 5
ottles and jugs, thermos		14 000 000	E0.0 0
ox toesoxes, paper:	pr.	14, 802, 965	506,0
Corrugated, (see also "Wrappers")	M sq. ft.	7, 102, 880	123, 451, 1
Fibre board, Folding	_		86, 140, 6
Set-up	-	-	14, 473, 5
Soxes, wooden:		-	1, 221, 0
Apple and other fruit	No.	407,927	282, 2
Berry Butter	No.	1, 304, 121	485,0 819,8
Cheese	44	377, 285	254, 9
Fish	44	958, 195	851, 2
Meat	**	473, 672 1, 896, 321	316, 8 2, 207, 2
Not specified	-		3,941,9
oxes and crates, poultry	No.	429,691	601, 8
oxes, other not specified	_	_	776,0 2,306,9
rake beams (railway car) and parts	-		670,0
rake fluid	gal.	574,351	1,500,4
rakes, auto and parts	****		5,507,7 4,535,2
ran			10,927,7
rass and bronze ingots	lb.	34, 254, 063	9,319,6 1,037,5
read	lb.	1,651,518,672	215, 250, 3
read reakfast foods (see "Cereal products")			E 160 0
ricks, cement ricks, domestic clay	No.	474, 533, 400	5, 168, 8 23, 543, 7
ricks sand-lime	M	38, 578	1,016,1
riquettes, coal and coke		-	1, 129, 0
rooms:	1		
Corn	doz.	199,920	2, 462, 5
Fibre Hair	**	29,822 4,961	506, 6 216, 3
Plastic	4.5	13, 839	181,9
Other	46	21,537	333,8
rushes Clothes	**	51,016	252,0
Cosmetic	5.6	6,429	46,6
Generator and motor	doz.	104 222	964, 3
Hair	40	104, 223 50, 403	1,057,6 74,6
Paint	44	601,678	4,335,8
Shaving Shoe	44	14,038 71,358	123, 9 234, 9
Tooth	_	71,358	1,075,6
For household purposes For industrial use Chest including artists	doz.	313,959	1, 384, 2
BOT INDUSTRIAL 1180	0.0	153, 904	1, 351, 9 1, 212, 1

Items	Unit of measure	Quantity	Value of factory shipments
			\$
rush blocks, backs, etc	-	- 1	379,3
ucklesuffing composition	-		211, 3
uffs, polishing, cotton, etc. (including wheels).	_	~	481, 33 902, 0
uilding blocks, hollow cement, cinder, sand-lime etc.	_	_	37, 843, 1
uilding boards:			1
Asbestos cement boards and sheets		000 501 705	
Paper board	sq. ft.	369, 561, 735	15, 431, 40 809, 7
Wood fibre:			000, 11
Rigid insulating	ton	142,919	17,828,9
Other soft boards	-		1
HardboardParticle board	ton	86,413	9,097,4
Other, including bonded boards, panelling etc.		_	1,456,9
uildings, (houses, etc.) prefabricated:			
Metal	-	-	7, 600, 9
Wood	-	-	16, 236, 4
uilding materials, n.e.s	_		864, 5 47, 7
ms		_	38, 397, 1
urlap products	_	-	1
urners, gas	-		1,050.7
urners, oil, power type	_	-	7, 843, 1
urners, oil, n.s.	-		323, 3 1, 336, 9
umers, oil (parts)utane (included in "Gases, liquified petroleum")	_	_	1, 550, 9
utter, whey, factory made	lb.	3,233,954	1,821,6
utter, other, factory made	64	317, 889, 791	202, 225, 2
uttons:			1
Celluloid		10 709	104 0
Covered Leather	gross	19,708	104,9
Metal	gross	219,579	237,7
Pearl	1	_	27,0
Vegetable ivory	1	0.004.004	
Plastic	gross	3,394,621	2, 437, 2
Not specified			1,053,2 1,171,4
utton covering, hemstitching, etc	_	_	1, 1, 1, 1, 1
utyraldehyde	_	_	1
abinets, ice cream (regrigeration)	No.	918	328,2
abinets, phonograph, radio and television	**	404,695	10, 237, 8
abinets, silverware	-	_	999,3
abinets, sewing machineabinets, other including shower		_	868, 0
alcium acid phosphate	_		1
alcium carbide	***	-	1
alcium chloride	_		1
alcium cyanamide		= 1	1,434,0
alks, horseshoe	_	_	1, 101,
amel back	lb.	19, 989, 118	7, 526, 8
ameras	-	-	1
andles and cierges:			587,9
Household	_	Ξ	2, 343, 0
Church, chapel and synagogue	doz.	2, 136	10,
andy sticks		_	1
inoes (see also "Roats")	-	eme	406, 3
ans, garbage and ash	_	-	1,834,7 74,433,
ans, metal for food			34, 086, 7
ans, metal, non-foodans, metal, cream and milk	_	-	646,
ins, paper or fibre, with paper of metals ends	-	-	665,6
ans, all paper or fibre, plastic etc	-	***	2,878,6
	_	-	5, 907, 6
spacitors, (Static condensers for power factor correction)		-	0, 50 1, 0
ps: Cloth	doz.	289, 142	2,964,3
Cotton	44	75, 356	412.3
Fur (see also "Hats and caps, fur") Leather	44	1, 253	44,9
Leather	44	1, 584 111, 548	24, ' 939, 4
Sport	**	25,018	747,9
Uniform		20,010	
ps, bottle: Metal, all kinds		-	15, 924, 0
Paner milk hottles	-		1, 431, 3
Paper, other, not specified	_	_	169, 1 1, 902, 0
Diagtic	9840		1,902,
not specified			30,
rhon highligh	_	_	1
	-	-	1
Thon digride dry ice	ame	-	1
urbon dioxide gas urbon illuminating	-	-	1
	_		

Alphabetical List of Commodites, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
Caston products not appointed			41,818
Carbon products, not specified			
Cards, greeting Cards, playing		713, 175	18, 843, 891
Cards visiting	. M	87,515	156,562
Carpets, mats and rugs: Carpets in rolls, including stair:			
Axminster	sq. yd.	1, 245, 402	7,604,817
Wilton	. , ,,	979,742	5, 930, 143
Tufted	. "	3, 768, 887	12, 372, 883
Squares, mats and runners: Axminster		222, 294	1, 254, 850
Mats and matting, cocoa			_
arpet sweepers	. -		4, 196, 431
arriages, sulkies, etc., baby	No.	195,726	3,320,633 1,181,649
arriages, dollarriages and wagons (see "Vehicles")			
arriage and wagon parts, n.e.s.		_	12,015
arriers litterars, dump, hand, push and other n.s.		=	1 1
ars, railway, complete (freight and passengers)	. -		25,744,84
arvings, woodasein, dried	1b.	7,327,751	1,654,11
asein, green	. "	5, 775, 464	867,45
ases, clockases, jewellery	:	_	53,480 1,701,78
ases, key, card, cigarette, utility, etc	.	-	1, 144, 31'
ases milk deliveryases, portfolios, brief, etc.	No.	656,050	212, 85° 2, 432, 05°
ases, softdrink and other beverages	. "	1, 227, 548	1,347,80
Cases toiletware		_	1, 209, 15
askets and coffins (completely assembled): Wooden, hardwood	. No.	51,926	5,416,46
imitation	. "	4,477	252, 832 3, 901, 233
" cloth covered	- "	66,522	3,901,231 486,40
Not specified	. -		10,66
Shells and rough boxes	No.	54,383 34,384	717,463 123,823
asks, otherastings:	. -	-	1
Aluminum	. _	_	7,086,54
Brass and bronze	. lb.	7,301,317 3,984,643	5,493,079 2,661,31
Die	. -		9, 809, 714
Gray iron		358,621	38, 919, 48 939, 62
Malleable iron Lead	ton.	18, 169	7, 869, 17
Steel:	. lb.	1,885,729	309,66
Quantity made Quantity sold	ton.	65,708	90 107 510
Not specified		62,921	36, 107, 516 9, 992, 618
Castors, all kinds	.	_	1, 165, 104
atalysts		-	23, 134, 51
Caulking materials			1,066,84
Caulking materials			1,000,010
ellulose products, n.e.s. ement, asbestos		_	1
ement, asbestos ement, hydraulic *(including containers) ement, linoleum and tile	-	***	97, 329, 362
ement, rubber	gal.	197, 920	437, 120 751, 988
Zement, not specified	-	-	2, 826, 907
Prepared (ready to serve)	. lb.	106, 291, 468	33, 020, 565
Unprepared hains, automobile		20, 960, 000	1, 989, 289 1, 732, 923
name, outer than automobile, including sprocket chain	- man	time .	6, 299, 745
hamois products hannel rubber	. 1b.	729, 552	533, 163 294, 288
haplets, foundry		_	1
neese, Canadian cheddar	l lh	17,411	35, 568, 179
neese, other than cheddar	64	11,984,982	5, 468, 86
heese, skim milk and cottage heese, process		23,584,146 55,010,145	5, 094, 94; 23, 705, 97;
heesecloth hemical products, n.e.s.	vd.	3, 404, 748	596, 125
		26,738	40, 419, 080 1, 007, 732
hewing gum hicken, canned (see "Meat, canned") hildren's sleepers (see also "Infants" wear)	box	17, 690, 710	12,664,388
hildren's sleepers (see also ''Infants' wear)	doz.	87, 225	934,847

Alphabetical List of Commodities, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Children's waists, n.e.s.	-	-	1
Chloride of lime		150 100	1 750 011
Chloreform	ton	176, 126	10,758,219
'hocolate drink (included in "Food drinks, liquid")		1	
hocolate coating: Liquor			,
Sweetened:	_		
For own use	lb.	17,797,974	
For salehoppers and grinders, food	No.	11,907,507	4,346,65 187,94
hurns		_	1
ider (for sale)	gal.	327,654 328,688	60,473 22,661,73
igarettes ²	M	34, 698, 794	509, 689, 06
lassifiers, metal-working			1
Play, bentonite and other	lb.	672, 307	1,070,48
leaners, vacuum and parts	-	012,301	134,70 9,579,34
leaning and scouring powders and pastes	lb.	51,027,255	8,854,74
leaning preparations, n.e.s.	-	_	8,544,803 1,781,460
locks	_	_	3, 751, 93
loth, asbestos		_	1
Pothes driers, electric	No.	100,486	87,21
Plothes hampers	-	100, 400	13, 243, 25 287, 50
lothes driers, gas	64	10,025	1,754,30
Nothes driers, other	_	_	165, 133 333, 799
lothes pins	gr.	1,069,730	741, 24
Clothing, hospital	-	-	1,486,50
nothing, military, n.e.s. (see also "Coats, jackets, etc.", "Pants" and "Suits, uniform")	_	_	169.01
Clothing, oiled and waterproofed, n.e.s. (see also "Raincoats")		_	750,78
uniform") lothing, olled and waterproofed, n.e.s. (see also "Raincoats") lothing, plastic, n.e.s. (see also "Aprons", and "Rainwear" included in "Coats and capes, etc.")			1
Rothing, rubber, n.e.s.	and.	_	1
Plothing safety	-	-	416,75
Nothing n.e.s	-	-	3, 196, 829
Shorts:			
Women's and misses'	3	EF 051	1 000 00
Cotton	doz.	57, 351 3, 200	1, 292, 68 ⁴ 39, 82
Wool and wool mixtures	44	6,830	362,999 162,709
Not specified	44	13,927	162,70
Men's and youths'	44	14, 142	310,840
Not specified	-	,	1
Boys'	don	E EE0	50 07
Cotton	doz.	5,550	58,07
Children's			
Cotton	doz.	116, 686 6, 193	1,102,78 92,47
Wool and wool mixtures Not specified	_	0, 193	1
Slacks and jeans:			
Women's and misses'	No.	2, 275, 164	5,636,41
Cotton	6.6	230, 234	809,04
Wool and wool mixtures	86	931, 253 148, 796	4,653,76
Not specified	"	148,796	1,057,48
Men's and youths' (see "Pants and slacks")			
Cotton	66	3, 229, 401	4,634,89
Rayon	6.6	121,600 340,768	288,75 906,34
Wool and wool mixtures Not specified	6.6	218, 976	270,55
Suits, sport:			
Ski and snow suits:	No.	1,549,766	5,958,72
Children's Other sport suits:	****		
Women's and misses'	No.	316,059	2, 269, 00
Children's	_	220, 963	681,82 1,349,49
Clothing, sport, (baseball, gym and althletic)	-	-	463,23
Coats, jackets, etc.:			
Boyel	No.	14.416	241,97
Overcoats, regular models Topcoats, regular models	177	8,917	92,77
	44	070 074	7,988,92
Overcosts regular models	44	270, 274 230, 246	7,988,92 6,175,86
Topcoats, regular models		200,210	0,210,00
Regular models:	**	84.379	1,169,03
Rayon	66	1,409,881	36,872,71
Woollen Other	4.6	119,957	3, 283, 95

Items	Unit of measure	Quantity	Value of factory shipments
oats, jackets, etc.—Concluded: Children's coats:			
Regular models:	No.	818 606	9, 385, 49
Woollen Rayon	6.5	818,606 80,181	687,82
Not specified	**	12,862	211,54
Other coats, not specified	No.	266,817	1,775,45
Men's and vouths' separate tackets:	**	685,167	10,509,19
Civilian Military	44	5, 123	48,73
Women's and misses' separate jackets:	44	81,783	580,66
Wool and mixtures Rayon and mixtures	64	3,274	17,92
Cotton Other	**	34,807 11,237	241,66 96,08
Children's separate tackets:			
Wool and mixtures	No.	108,036 109,353	564,30 382,49
Other	-	-	382, 49 34, 71
oats, blazers and jackets, not specifiedoats, short (including zippered short jackets, mackinaws, parkas, leather coats,	-	***	345,27
vest, etc.):			
Wool and wool mixtures; Men's and youths'	doz.	70, 208	7, 100, 36
Powie	66	23,413	1,468,93
Children's (under 14) Women's and misses'	**	14,087 13,600	768,10 1,660,27
Cotton:	66		
Men's and youths' Boys'	44	101,590 23,446	7,592,85 1,512,28
Children's (under 14)	44	59,927	2,100,10 3,721,95
Women's and misses'		54,361	3, 121, 30
Men's and vouths'	48	12,518 1,413	1,411,45 102,77
Boys' Not specified	44	- 1,415	102,7
Rayon:	don	11,270	499,3
Children's (under 14) Women's and misses'	doz.	5,704	284,91
Not specified	-	-	x
Other: Men's and youths'	doz.	87, 288	7, 165, 04
Boys'	66	27, 091 11, 867	1,468,35 554,81
Children's (under 14) Women's and misses'	44	15,950	1,690,28
Not specified	-	-	·
'oats and capes, etc.: Rainwear:			544 4
Rubberized Showerproofed and waterproofed	doz.	7,342 48,070	544,4 7,981,1
Plastic film	. "	51, 194	967, 0
Plastic coated Other (including rubber, nylon, etc.)	} -	-	644,6
Station wagon coats:	dom	451	31,3
Boys'	doz.	1,216	218,8
Coats, jackets, etc., fur:			
Coats: Ladies'	No.	106,925	29,659,8
Men's	86	115	26,5 8,3
Children's (including fur lined) Jackets, ladies'	46	66,489	11,277,2
Boleros	44	4,540 6,121	986,6 1,326,7
Capes Stoles	66	27, 245	4, 142, 6
loats, fur lined:	44	640	57,7
Ladies' Coat shells and plates	-	_	664,9
Coatings, industrial	lb.	7,536,650	3,762,5
Cocoa (made for sale)			
For own use For sale	lb.	2,424,465	1
Cocoa and chocolate preparations, n.e.s. (for sales)	-		2,370,1 1,177,0
Cocoanut, prepared and desiccated	lb. No.	3,158,601 117,539	1,606,5
Coffee-makers, glass			25,811,0
Coffee, instant	lb.	11,360,491 87,074,031	55, 903, 0
Coffee substitute	-	-	1
Offee substitute Offins (see "Caskets and coffins") Offins, shells or rough boxes (see "Caskets and coffins")			
Coke, gas-house*		008 025	5,025,4 13,804,1
Coke, gas-house* Coke, petroleum* Coke, pitch	ton	986,835	13,004,1
Cold storage equipment (see "Refrigeration equipment")			91,8
Collars and cuffs Collars, fur	No.	333,086	1,313,5
Solitais, tui			

Alphabetical List of Commodities, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
olours, food	-	-	1 10 105 00
Colours, in oil and Japan	gal.	21, 471	13, 125, 92; 195, 95;
Combs	-		1,021,770
Cotton	No.	72,882	303,399
Down	66	1, 445 36, 350	31, 59:
Not specified	66	36, 350 79, 803	193,606 398,87
Not specified		10,000	
compacts (only) powder and rouge		_	8,390,90
compressors and condensing units (refrigeration)	No.	5,093	2, 488, 90
Concrete, ready-mixed	gal. cu. yd.	562, 219 8, 228, 098	9,100,53
concrete products, n.e.s	-	0, 220, 050	102,976,06 27,454,37
ondensers, evaporation (regrigeration)	-	-	481, 37
onduit, flexible	_	=	552, 57
onduit, rigid:			
Aluminum Electrical, metallic tubing	1b.	12,080,335	2,925,64
Steel and non-lerrous	60	46,002,405	8,522,383
onduit fittings and accessoriesones, ice cream	M	256 270	7,072,238
ones and tubes, textile winding	- 101	356, 378	2, 148, 550 1, 615, 248
onfectionery, chocolate: In bulk	16	10 451 504	
In bars	lb. doz.	19, 471, 504 56, 355, 304	7,970,499 36,911,44
In packages	lb.	23, 576, 855	15, 663, 25; 2, 631, 708
Moulded chocolate novelties	44	3, 306, 891 34, 260	2,631,708 29,330
Onfectionery, marshmallow:	44		
In bulk and packages		8, 263, 430	1,980,70
In bulk	6.6	41, 495, 502	10,540,650
In bars		2, 476, 758 39, 830, 421	1, 480, 61' 12, 943, 28
Penny goods	61	15, 447, 037	4, 234, 696
Lozenges Toffee:	e 8	1,756,126	372,719
In bulk	66	873, 663	289, 392 1, 668, 541
In packages	**	4,821,233	1,668,541
onfectionery, not specifiedonfectionery mixes (see "Icings and candy mixes")		_	110, 339
onnectors for electrical conductors		-	2,026,208
ontainers, n.e.s	_	_	2, 169, 358 26, 124, 710
onverter equipment, electrical		-	3, 319, 880
oolers, bottled beveragesoolers, milk and other	_	_	1,528,280 914,83
coperage, slack, not specified			367, 350
opper and copper products, n.e.s.	_	-	673,03
ords, n.e.s.		=	166,82
ores for jumbo paper rollsores for small paper rolls	m. lin. ft.	12,897	1,601,299 984,00
ores, lumber	-	-	1, 336, 41
for caps	_	_	1
orselettes, girdles, etc.;			
Corselettes	doz.	31, 947 150, 502	1, 860, 20 7, 144, 18
Girdles with rigid panels, plus elastic	**	172, 437	5, 918, 46 12, 947, 06
Bandeaux, brassieres	44	172, 437 917, 789 172, 119	12,947,06
Longline brassieres	_	172, 119	4, 163, 72
Shoulder straps, girdle blanks, etc.	-		312, 23
Cosmetic containers and other cosmetic accessories n.e.s. (see also "Compacts")	_	_	1
otton fabrics:			
Unbleached or grey	lin. yd. sq. yd.	20 2, 38 2, 5 24 229, 179, 0 23	49,354,60
Piece dyed	lin. yd.	67.548.625	28,091,09
Planched as white	sq. yd. lin. yd.	74,605,467 34,005,915	
Bleached or white	sq. yd.	37,046,397	11, 417, 57
Printed and painted		-	1
Yarn and stock dyed	_	_	1,873,108
ounters, shoe	pr.	26,734,003	970,82 638,39
Couplings, flexible, etc.	_		638, 39 2, 929, 83
overings, boiler and pipe, asbestos and otherovers, baby carriage and crib	_	-	8, 29
overs, boat and car	-		379, 69' 3, 079, 69'
Covers, canvas, n.e.s.	=	-	3,079,695 1,030,564 879,894
overs, mattress	_	-	879,894 503,595

Covers, stockinette, meat (see "Knitted fabrics") Covers, seat, automobile Covers, not specified Crates Crayons, wax and chalk Cream sold to consumers Cream sold to dairy plants Cream sold to doiry plants Cream sold to jobbers Cream for specified Cream to specified Cream to specified Cream to specified Cream to specified Cream of specified Cream of specified Crosa arms Crucibles Crushers, rock, and parts Crushers, rock, and parts Crushers, rock, and parts Curlivators Cups, paper, drinking Curtains and curtain material Curtains and curtain material Curtains and drapes, plastic, rubber, etc. Curtain rods and fixtures Cushion form Cushion form Cushion form Cushion sair, invalid rings Cushion tops Cuthing blocks and tables, butcher Cutlery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cyclinders, gas Dairy products, not specified Dairy equipment and machnery (see "Machinery") Decorations, including party favours and confettl, etc. Dentifices Dentifices Dentifices Dentifices Dentifices Dentifices Destrose Dibutyl phthalate Dicyandiamide Dicyandiami	1b. b.f. 1b. 1b.	19, 872, 266 20, 844, 813 2, 958, 528 9, 959, 769 1, 476, 500 174, 683	\$ 3,602,129 2,373,911 673,880 31,837,654 15,796,744 3,603,475 7,984,558 834,442 153,302 1,068,073 802,789 41,777 5,065,959 2,909,639 7,873,801 496,702 819,735 4,339,955 409,701 394,598 1,572,778 35,206 37,490 18,7566 2,549,963 421,718 1,668,054 9,927 2,166,217 12,447,033 12,557,027 4,331,769 1,593,595 67,509,728
Covers, seat, automobile Cravers, cot specified Cravers Crayons, wax and chalk Cream sold to consumers Cream sold to dairy plants Cream sold to doiry plants Cream for the sold in dairy plants Cream for the sold in dairy plants Cream of the sold in dairy plants Cream of tartar, refined Croquet sets Cross arms Crucibles Crucibles Crushers, rock, and parts Cruffs, fur. Cultivators Crups, paper, baking, bonbon, etc. Cups, paper, drinking Cups and cuttain material Curtains, shower, including plastic Curtains and drapes, plastic, rubber, etc. Curtain ords and fixtures Cushions Cushion forms Cushion forms Cutlery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cylinders, gas Dairy products, not specified Dairy equipment and machinery (see "Machinery") Decorations, including party favours and confetti, etc. Dentifices Dentifices Dentifices Dentifices Dentifices Dentifices Dentifices Dentifices Destrose Dibutyl phthalate Dibutyl phthalate Dibutyl phthalate Dibutyl phthalate Diex, aluminum Dies, stamping, drawing and cutting Dies, stamping, drawing and cutting Dies, stamping, drawing and cutting Dies, stamping, frawing and cutting Dies, stamping, frawing and cutting Dies, stamping, drawing and cutting Dies, stamping, drawing and cutting Dies, stamping, cratridge cases Dish cloths Dishashers, electrical, commercial and other Disinfectants Dishashers, electrical, commercial and other Disinfectants	** ** ** ** ** ** ** ** ** ** ** ** **	20, 844, 813 2, 958, 528 9, 959, 769 1, 476, 500 174, 683	2, 373, 911 673, 880 31, 837, 654 15, 796, 744 3, 603, 475 7, 984, 558 834, 442 153, 302 1, 068, 073 802, 789 41, 777 5, 065, 959 2, 909, 639 7, 873, 801 496, 702 819, 735 4, 339, 955 409, 701 394, 598 1, 572, 778 35, 206 37, 490 187, 556 2, 549, 963 421, 718 1, 668, 054 90, 927 2, 166, 217 12, 447, 033 12, 557, 027 4, 331, 769 1, 593, 593
Crates Crayons, wax and chalk Cream sold to consumers Cream sold to dairy plants Cream sold to doiry plants Cream transferred to other branches of firm reporting Cream, whey, sold in dairy plants Cream of tartar, refined Croquet sets Cross arms Crucibles Crushers, rock, and parts Cruffs, fur Cultivators Crups, paper, baking, bonbon, etc. Cups, paper, drinking Cups and cultery, plastic disposable Curtains, shower, including plastic Curtains and curtain material Curtains and drapes, plastic, rubber, etc. Cushion salr, invalid rings Cushion salr, invalid rings Cushion form Cushions Cushion tops Cutting blocks and tables, butcher Cutlery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cylinders, gas Dairy products, not specified Dairy equipment and machinery (see "Machinery") Decorations, including party favours and confetti, etc. Dentifices Dentists supplies, n.e.s. Decodorant (personal) Decodorant (personal) Decodorant (personal) Decodorant (personal) Decodorant (personal) Detergents Dextrine Detergents Dextrine Deters, metal working, n.e.s. Dest, tags and stocks Dies, tags and stocks Dies, stamping, drawing and cutting Diess, serula working, n.e.s. Dies, tags and stocks Dies, rubber, etc. Dioccyle phthalate Diocso, agricultural (see "Ploughs") Discs, for cartridge cases Dish doths Disbnashers, electrical, commercial and other Disinfectants	** ** ** ** ** ** ** ** ** ** ** ** **	20, 844, 813 2, 958, 528 9, 959, 769 1, 476, 500 174, 683	2, 373, 911 673, 880 31, 837, 654 15, 796, 744 3, 603, 475 7, 984, 558 834, 442 153, 302 1, 068, 073 802, 789 41, 777 5, 065, 959 2, 909, 639 7, 873, 801 496, 702 819, 735 4, 339, 955 409, 701 394, 598 1, 572, 778 35, 206 37, 490 187, 556 2, 549, 963 421, 718 1, 668, 054 90, 927 2, 166, 217 12, 447, 033 12, 557, 027 4, 331, 769 1, 593, 593
Crayns, wax and chalk Cream sold to doiry plants Cream fransferred to other branches of firm reporting Cream, Whey, sold in dairy plants Cream of tartar, refined Croosa arms Crushers, rock, and parts Crushers, rock, and parts Cutitivators Cups, paper, baking, bonbon, etc. Cups, paper, baking, bonbon, etc. Cups, paper, drinking Cups and cutlery, plastic disposable Curtains, shower, including plastic Curtains and drapes, plastic, rubber, etc. Curtains and drapes, plastic, rubber, etc. Curtain ods and fixtures Cushions Cushion forms Cushion forms Cushion forms Cutlery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cylinders, gas Dairy products, not specified Dairy equipment and machinery (see "Machinery") Decorations, including party favours and confetti, etc. Dentifrices Dentifrices Dentists supplies, n.e.s. Deodorant (personal) Decedorant (personal) Decorations, including party favours and confetti, etc. Dentifrices Deathers Deathers Deathers Destrine Decynaliamium Dies, stamping, drawing and cutting Dies, metal working, n.e.s. Dies, taps and stocks Dies, rubber, etc. Diotyle phthalate Diocys, agricultural (see "Ploughs") Discs, for cartridge cases Dish doths Disbashers, electrical, commercial and other Disinfectants	** ** ** ** ** ** ** ** ** ** ** ** **	20, 844, 813 2, 958, 528 9, 959, 769 1, 476, 500 174, 683	31, 837, 654 15, 796, 744 3, 603, 475 7, 984, 858 834, 442 153, 302 1, 068, 073 802, 789 41, 777 5, 065, 959 2, 909, 639 7, 873, 801 496, 702 819, 735 4, 339, 955 409, 701 394, 598 1, 572, 778 1, 576, 275 2, 549, 963 421, 718 1, 668, 054 90, 927 2, 166, 217 12, 447, 033 12, 557, 027 4, 331, 759
Cream sold to dairy plants Cream sold to dairy plants Cream to to do to debers Cream traffered to other branches of firm reporting Cream traffered to other branches Cream traffered Croquet sets Croquet sets Cross arms Crucibles Crushers, rock, and parts Cruffs, fur Cultivators Cups, paper, baking, bonbon, etc. Cups, paper, drinking Cups and cuttery, plastic disposable Curtains, shower, including plastic Curtains, shower, including plastic Curtains and curtain material Curtains and drapes, plastic, rubber, etc. Curtain rods and fixtures Cushions Cushions air, invalid rings Cushion tops Cushion tops Cutting blocks and tables, butcher Cutlery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cylinders, gas Dairy products, not specified Dairy equipment and machinery (see "Machinery") Decorations, including party favours and confetti, etc. Dentifrices Dentists supplies, n.e.s. Dentists supplies, n.e.s. Dendorant (not personal) Decodorant (not personal) Detergents Dettrine Detergents Dettrine Detergents Dettrine Detersonal Dies, stamping, drawing and cutting Dies, app and stocks Dies, app and cutting Dies, app and stocks Dies, app and cutting Dies, app and and cutting Dies, app and and and and and	** ** ** ** ** ** ** ** ** ** ** ** **	20, 844, 813 2, 958, 528 9, 959, 769 1, 476, 500 174, 683	15, 796, 744 3, 603, 475 7, 984, 858 334, 442 153, 302 1, 068, 073 1, 068, 073 802, 789 41, 777 5, 065, 959 2, 909, 639 7, 873, 801 496, 702 819, 735 4, 339, 955 409, 701 394, 598 1, 572, 778 35, 206 37, 490 187, 556 2, 549, 963 421, 718 1, 668, 054 90, 927 2, 166, 217 12, 447, 033 12, 557, 027 4, 331, 769 1, 593, 598 1, 593, 598
Cream sold to jobbers Cream therefered to other branches of firm reporting Cream, Whey, sold in dairy plants Cream of atrair, refined Cround sets Cross arms Crucibles Crushers, rock, and parts Crushing Cuttistors Cups, paper, drinking Cups, paper, drinking Cups and cuttain material Curtains, shower, including plastic Curtains, shower, including plastic Curtains and drapes, plastic, rubber, etc. Curtain ods and fixtures Cushinons Cushions Cushions Cushions air, invalid rings Cushion tops Cushion tops Cushion tops Cushion tops Cushion tops Cushion tops Cutting blocks and tables, butcher Cuttery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cylinders, gas Dairy products, not specified Dairy equipment and machinery (see "Machinery") Decorations, including party favours and confetti, etc. Dentifices Dentists supplies, n.e.s. Decorations, including party favours and confetti, etc. Dentifices Dentists supplies, n.e.s. Decodorant (not personal) Decodorant (not personal) Decodorant (personal) Decorations, including party favours and confetti, etc. Distrine Dextrose Diaties Dibutyl phthalate Dicyandiamide Dics, stamping, drawing and cutting Dies, staps and stocks Dies, ruber, etc. Diotocyle pthhalate Dicys, apricultural (see "Ploughs") Dissos, for catridge cases Dish cloths Dishwashers, electrical, commercial and other Disinfectants	No. M doz	2, 958, 528 9, 959, 769 1, 476, 500 174, 683 14, 333 2, 061, 956 1, 190, 567 39, 804 37, 742 35, 826 44, 630 35, 826	3,603,475 7,984,858 334,442 153,302 1,068,073 802,789 41,777 5,065,959 2,909,639 7,873,801 496,702 819,735 4,338,955 409,701 394,598 1,572,778 35,206 37,490 187,556 2,549,963 421,718 1,668,054 90,927 2,166,217 12,447,033 12,557,027 4,331,769 1,593,595
Cream, Whey, soid in dairy plants Cream of tartar, refined Croquet sets Crushers, rock, and parts Cutishes Curshers, rock, and parts Cutishes, rock, and parts Cups, paper, baking, bonbon, etc. Cups, paper, drinking Cups and cuttery, plastic disposable Curtains, shower, including plastic Curtains, shower, including plastic Curtains and drapes, plastic, rubber, etc. Curtain ods and fixtures Cushions Cushions Cushion forms Cushion forms Cushion tops Cutiting blocks and tables, butcher Cutiery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cylinders, gas Dairy products, not specified Dairy equipment and machinery (see "Machinery") Decorations, including party favours and confetti, etc. Dentifices Dentifices Dentifices Dentifices Dectarions, including party favours and confetti, etc. Dentifices Detergents Detergents Detergents Detergents Detergents Detextrose Diarles Dibutyl phthalate Dicyandiamide Dies, stamping, drawing and cutting Dies, staps and stocks Dies, taps and stocks Dies, taps and stocks Dies, taps and stocks Dissy stamps, electrical, commercial and other Disbays, apercultural (see "Ploughs") Disbayshers, electrical, commercial and other Disinfectants	No. M doz. doz. doz.	174,683 	334, 442 153, 302 1, 068, 073 802, 789 41, 777 5, 065, 959 2, 909, 639 7, 873, 801 496, 702 819, 735 4, 339, 955 409, 701 394, 598 1, 572, 778 35, 206 37, 490 187, 556 2, 549, 963 421, 718 1, 668, 054 90, 927 2, 166, 217 12, 447, 033 12, 557, 027 4, 331, 769 1, 593, 595 1, 593, 595
Cream of tartar, refined Croquet sets Cross arms Crushers, rock, and parts Cuthers, fur. Culfivators Cups, paper, baking, bonbon, etc. Cups, paper, drinking Cups and cutlery, plastic disposable Curtains, shower, including plastic Curtains and curtain material Curtain rods and fixtures Cushions Cushions Cushions Cushion forms Cushion forms Cuthing blocks and tables, butcher Cuttlery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cylinders, gas Dairy products, not specified Dairy equipment and machinery (see "Machinery") Decorations, including party favours and confetti, etc. Dentifices Dentifices Dentifices Dentifices Decodrant (personal) Detergents Decyarions Dextrine Dextrose Dishies Dishy fawing and cutting Dies, stamping, drawing and cutting Dies, taps and stocks Dies, staps, agricultural (see "Ploughs") Dissor, for cartridge cases Dish cloths Dishwashers, electrical, commercial and other Displays, advertising		174,683 	1,068,073 802,789 41,777 5,065,959 2,909,639 7,873,801 496,702 819,735 4,339,955 409,701 394,598 1,572,778 35,206 37,490 187,556 2,549,963 421,718 1,668,054 90,927 2,166,217 12,447,033 12,557,027 4,331,769 1,593,598
Cross arms Crusthers, rock, and parts Culfix, fur Cultivators Cups, paper, drinking Cups, paper, drinking Cups, paper, drinking Cups and cutlery, plastic disposable Curtains and cutrain material Curtains and drapes, plastic, rubber, etc. Curtain rods and fixtures Cushions Cushions Cushion forms Cushion forms Cushion forms Cutlery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cylinders, gas Dairy products, not specified Dairy equipment and machinery (see "Machinery") Decorations, including party favours and confetti, etc. Dentifrices Dendorant (not personal) Detergents Decytrine Dextrine Dextrine Dextrine Dextrine Disyndamide Dies, aluminum Dies, stamping, frawing and cutting Dies, stamping, frawing and cutting Dies, staps and stocks Dies, taps and stocks Dies, taps and stocks Dies, taps and stocks Dies, taps and stocks Dies, staps and stocks Dies, staps and stocks Dies, staps and stocks Dies, staps, esc. Dies, rubber, etc. Dioctyle phthalate Discs, or cartridge cases Dish cloths Dishwashers, electrical, commercial and other Displays, advertising	M 68 60 60 60 60 60 60 60 60 60 60 60 60 60	2, 061, 956 1, 190, 567 39, 804 — 37, 742 — — 35, 826 44, 630 —	802, 789 41, 777 5, 055, 959 2, 909, 639 7, 873, 801 496, 702 819, 733 4, 339, 955 409, 701 394, 598 1, 572, 778 35, 206 37, 490 187, 556 2, 549, 963 421, 718 1, 668, 054 90, 927 2, 166, 217 12, 447, 033 12, 557, 027 4, 331, 769 1, 593, 598
Crushers, rock, and parts Cultivators Cupfs, pur Cultivators Cups, paper, baking, bonbon, etc. Cups, paper, drinking Cups and cutlery, plastic disposable Curtains and cuttain material Curtains and drapes, plastic, rubber, etc. Curtain rods and fixtures Cushions Cushions Cushions Cushions air, invalid rings Cushion forms Cushion forms Cutting blocks and tables, butcher Cuttery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cyclohexonal and dicyclohexonal phthalate Cyclohexonal and machinery (see "Machinery") Decorations, including party favours and confettl, etc. Dentifrices Dentistices Dendorant (personal) Detergents Deextrine Deextrose Dibityl phthalate Dicyandiamide Dicyandiamide Dicy, aluminum Dies, stamping, drawing and cutting Dies, taps and stocks Diss, for catrridge cases Dish others Dishores, electrical, commercial and other Disholes, slectrical	M 68 60 60 60 60 60 60 60 60 60 60 60 60 60	2, 061, 956 1, 190, 567 39, 804 — 37, 742 — — 35, 826 44, 630 —	802, 789 41,777 5,065,959 2,909,639 7,873,801 496,702 819,733 4,339,955 409,701 394,598 1,572,778 35,206 37,490 187,556 2,549,963 421,718 1,668,054 90,927 2,166,217 12,447,03 12,557,027 4,331,768
Cultivators Cups, paper, baking, bonbon, etc. Cups, paper, drinking Cups and cutlery, plastic disposable Curtains, shower, including plastic Curtains and curtain material Curtains and drapes, plastic, rubber, etc. Curtain rots and fixtures Cushions Cushions Cushion forms Cushion forms Cushion forms Cushion forms Cushion tops Cuttlery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cylinders, gas Dairy products, not specified Dairy equipment and machinery (see "Machinery") Decorations, including party favours and confetti, etc. Dentifices Dendorant (personal) Decodrant (personal) Decodrant (not personal) Detergents Dextrine Decxtrose Dibityl phthalate Dicyandiamide Dics, aluminum Dies, stamping, drawing and cutting Dies, taps and stocks Dies, taps and stocks Dies, tec. Dicotyle phthalate Dicys, garcultural (see "Ploughs") Discs, for catridge cases Dish loths Dissolates, alvertising	M 68 60 60 60 60 60 60 60 60 60 60 60 60 60	2, 061, 956 1, 190, 567 39, 804 — 37, 742 — — 35, 826 44, 630 —	41,777 5,065,959 2,909,639 7,873,801 496,702 819,738 4,339,955 409,701 394,598 1,572,778 35,206 37,490 187,556 2,549,963 421,718 1,668,055 90,927 2,166,217 12,447,03 12,557,027 4,331,768 1,593,598
Cups, paper, baking, bonbon, etc. Cups, paper, drinking Cups and cutlery, plastic disposable Curtains and cutrain material Curtains and drapes, plastic, rubber, etc. Curtain rods and fixtures Cushions Cushions Cushions Cushion forms Cushion forms Cushion forms Cutlery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cylinders, gas California, including party favours and confettl, etc. Dentifrices Dentists supplies, n.e.s. Decodorant (personal) Detergents Detergents Dextrine Dextrine Dextrine Dextrine Displantation D	M 68 60 60 60 60 60 60 60 60 60 60 60 60 60	2, 061, 956 1, 190, 567 39, 804 — 37, 742 — — 35, 826 44, 630 —	2, 909, 639 7, 873, 801 496, 702 819, 735 4, 339, 955 409, 701 394, 598 1, 572, 778 35, 206 37, 490 187, 556 2, 549, 963 421, 718 1, 668, 054 90, 927 2, 166, 217 12, 447, 03 12, 557, 027 4, 331, 768 1, 593, 598
Cursain and cutlery, plastic disposable Curtains and curtain material Curtains and drapes, plastic, rubber, etc. Curtain rods and fixtures Custain rods and fixtures Cushions Cushions Cushion forms Cushion forms Cushion forms Cutlery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cylinders, gas Californy Cal	doz. doz No.	39, 804 	496, 702 819, 733 4, 339, 955 409, 701 394, 598 1, 572, 778 35, 206 37, 490 187, 556 2, 549, 963 421, 718 1, 668, 054 90, 927 2, 166, 217 12, 447, 03 12, 557, 027 4, 331, 768 1, 593, 593
Curtains, shower, including plastic Curtains and curtain material Curtains and drapes, plastic, rubber, etc. Curtain rods and fixtures Cushions Cushion forms Cushion forms Cushion forms Cushion tops Cushion star, invalid rings Cushion forms Cushion star, invalid rings Cushion forms Cushion tops Cushion forms Cushion star, invalid rings Cushion forms Cushion star, invalid rings Cushion star, invalid rings Cushion star, invalid rings Cushion forms	doz.	37,742 ————————————————————————————————————	4, 339, 955 409, 701 394, 598 1, 572, 778 35, 206 37, 490 187, 556 2, 549, 963 421, 718 1, 668, 055 90, 927 2, 166, 217 12, 447, 03 12, 557, 027 4, 331, 768 1, 593, 598
Curtains and drapes, plastic, rubber, etc. Cutain rods and fixtures Cushions Cushion forms Cushion tops Cushion tops Cushion tops Cutlery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cylinders, gas Carry products, not specified Carry requipment and machinery (see "Machinery") Cecorations, including party favours and confetti, etc. Centifrices Centifrices Centists supplies, n.e.s. Cecodorant (not personal) Cectage to the supplies of the supplie	- No. 	35, 826 44, 630	409, 701 394, 598 1, 572, 778 35, 206 37, 490 187, 556 2, 549, 963 421, 718 1, 668, 054 90, 927 2, 166, 217 12, 447, 033 12, 557, 037 4, 331, 768 1, 593, 593
Curtain rods and fixtures Cushions air, invalid rings Cushion forms Cushion forms Cushion tops Cutting blocks and tables, butcher Cuttery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cylinders, gas Dairy products, not specified Dairy equipment and machinery (see "Machinery") Decorations, including party favours and confetti, etc. Dentifrices Dendorant (personal) Decodorant (not personal) Detergents Destrine Destrose Diarles Dibutyl phthalate Dicyandiamide Dicyandiamide Dicyandiamide Dicy, aluminum Dies, stamping, drawing and cutting Dies, mean dicyang and cutting Dies, mean dicyang and cutting Dies, mean dicyang and cutting Dies, aluminum Dies, stamping, drawing and cutting Dies, mean dicyang and cutting Dies, mean dicyang and cutting Dies, mean dicyang and cutting Dies, gair quiry (see "Ploughs") Dissos, for cartridge cases Dish doths Displays, advertising	No.	44,630	35, 206 37, 490 187, 556 2, 549, 963 421, 718 1, 668, 054 90, 927 2, 166, 217 12, 447, 033 12, 557, 027 4, 331, 768 1, 593, 593
Cushion of proms Cushion forms Cushion tops Cutlery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cyclohexonal and machinery (see "Machinery") Decorations, including party favours and confetti, etc. Control of the cyclohexonal confetti, etc. Control of the cyclohexonal cycloh	-	44,630	35, 206 37, 490 187, 556 2, 549, 963 421, 718 1, 668, 05 90, 927 2, 166, 217 12, 447, 03 12, 557, 027 4, 331, 765 1, 593, 598
Cushion forms Cushion tops Cutting blocks and tables, butcher Cuttlery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cylinders, gas Dairy products, not specified California and machinery (see "Machinery") Cecorations, including party favours and confettl, etc. Centifrices Centifrices Centifrices Centists supplies, n.e.s. Cecdorant (personal) Cecorations (not personal) Cectrine Cextrine Cextrine Cextrine Cextrine Cextrine Circumdiamide Circumdiam	-	44,630	37, 490 187, 556 2, 549, 963 421, 718 1, 668, 054 90, 927 2, 166, 217 12, 447, 033 12, 557, 027 4, 331, 765 1, 593, 598
Cutting blocks and tables, butcher Cutlery, all kinds (see also "Flatware") Cyclohexonal and dicyclohexonal phthalate Cylinders, gas Dairy products, not specified Dairy equipment and machinery (see "Machinery") Decorations, including party favours and confettl, etc. Dentifices Dentists supplies, n.e.s. Deodorant (personal) Decorations (not personal) Detergents Dectrine Dextrine Dextrine Dextrine Dibutyl phthalate Dicyandiamide Dicya	1b	1,055,788	2,549,963 421,718 1,668,05; 90,927 2,166,217 12,447,033 12,557,027 4,331,768 1,593,598
Cyclohexonal and dicyclohexonal phthalate Cyclohexonal products, not specified Dairy equipment and machinery (see "Machinery") Decorations, including party favours and confetti, etc. Dentistics supplies, n.e.s. Dendorant (personal) Decodorant (not personal) Detergents Destrine Dextrine Dextrine Diaries Dibutyl phthalate Dicyandiamide Dicyandiamide Dics, aluminum Dies, stamping, drawing and cutting Dies, mean devices Dies, aps and stocks Dies, taps and stocks Dies, ruber, etc. Dioctyle phthalate Discs, for cartridge cases Dish coths Dishwashers, electrical, commercial and other Dishwashers, electrical, commercial and other Displays, advertising	1b.	1, 055, 788	421,718 1,668,054 90,927 2,166,217 12,447,033 12,557,027 4,331,768 1,593,595
ylinders, gas Dairy products, not specified Dairy equipment and machinery (see "Machinery") Decorations, including party favours and confetti, etc. Dentifrices Decodorant (not personal) Decodorant (personal) Decodorant (personal) Dectagents Dettrine Deatrose Dietrigents Deatrose Diputyl phthalate Di			90, 927 2, 166, 217 12, 447, 033 12, 557, 02 4, 331, 769 1, 593, 598
Dairy equipment and machinery (see "Machinery") Decorations, including party favours and confetti, etc. Dentitrices Dentitrices Decorations, including party favours and confetti, etc. Dentitrices Decorations (personal) Decodorant (personal) Decodorant (not personal) Decodorant (not personal) Decatergents Dextrose Districe Districe Diptrice Dip	-	-	2, 166, 217 12, 447, 033 12, 557, 027 4, 331, 769 1, 593, 595
Jentifrees Jentists supplies, n.e.s. Jendorant (personal) Jectorgents Jectorgents Destrine Destrine Destrine Destrine Destrine Dibutyl phthalate Dicyandiamide Dicyandiamide Dicyandiamide Dicyandiamide Dies, aluminum Dies, stamping, drawing and cutting Dies, metal working, n.e.s. Dies, taps and stocks Dies, ruber, etc. Dioctyle phthalate Discs, agricultural (see "Ploughs") Discs, for cartridge cases Dish cloths Dishwashers, electrical, commercial and other Displays, advertising	-	-	12, 447, 033 12, 557, 027 4, 331, 769 1, 593, 598
Dentists supplies, n.e.s. Deodorant (personal) Decodorant (personal) Detergents Destrine Dextrine Dextrine Diarles Dibutyl phthalate Dicyandiamide Dies, aluminum Dles, stamping, drawing and cutting Dles, metal working, n.e.s. Dies, taps and stocks Dies, ruber, etc. Dicstyle phthalate Discs, agricultural (see "Ploughs") Discs, gricultural (see "Ploughs") Discs, for cartridge cases Dish doths Dishwashers, electrical, commercial and other Displays, advertising	-	-	12, 557, 027 4, 331, 769 1, 593, 595
Decdorant (not personal) Detergents Detrine Diarles Dibutyl phthalate Dicyandiamide Dies, aluminum Dies, stamping, drawing and cutting Dies, metal working, n.e.s. Dies, taps and stocks Dies, taps and stocks Dies, taps taps and stocks Dies, ubber, etc. Dicstyle phthalate Discs, agricultural (see "Ploughs") Discs, agricultural (see "Ploughs") Discs, for cartridge cases Dish doths Dishwashers, electrical, commercial and other Disinlevants		-	1, 593, 593
Dextrine Dextrose Destrose Diarles Diarles Diarles Diotyl phthalate Dicyandiamide Dies, aluminum Dies, stamping, drawing and cutting Dies, metal working, n.e.s. Dies, taps and stocks Dies, taps and stocks Dies, tups taps and stocks Dies, ubber, etc. Dicstyle phthalate Discs, agricultural (see "Ploughs") Discs, for cartridge cases Dish cloths Dishwashers, electrical, commercial and other Displays advertising	=	=	67, 509, 728
Dextrose Diarles Diarles Dibutyl phthalate Discs, taps and stocks Dibutyl phthalate Discs, garicultural (see "Ploughs") Discs, for cartridge cases Dish cloths Dishwashers, electrical, commercial and other Displays, advertising	-	_	1
bibutyl phthalate bles, aluminum bles, stamping, drawing and cutting bles, metal working, n.e.s. bles, metal working, n.e.s. bles, taps and stocks bles, tups and stocks bles, tups and stocks bles, tups and stocks bles, tore, etc. bloctyle phthalate blscs, agricultural (see "Ploughs") blscs, for cartridge cases blsh cloths blshwashers, electrical, commercial and other blishless advertising			1
licyandiamide lies, aluminum lies, stamping, drawing and cutting lies, taps and stocks lies, rubber, etc. licy in the list of	_	_	1
oles, stamping, drawing and cutting oles, metal working, n.e.s. oles, taps and stocks oles, ruber, etc oloctyle phthalate olses, agricultural (see "Ploughs") olses, for cartridge cases olish cloths olishwashers, electrical, commercial and other olishwashers, advertising	_	_	1
pies, taps and stocks pies, rubber, etc. pioctyle phthalate piscs, agricultural (see "Ploughs") piscs, for cartridge cases pish cloths pishwashers, electrical, commercial and other pisinfectants pisplays, advertising	_	-	961, 739
pies, rubber, etc. ploctyle phthalate plscs, agricultural (see "Ploughs") plscs, for cartridge cases plsc cloths plsch cloths plschwashers, electrical, commercial and other plschlectants plschless, advertising	_	_	13, 102, 92 644, 66
JISN CLOURS JISNWASHERS, electrical, commercial and other Jishing Advertising	-	-	1, 344, 64
DISN CLOURS DISNWASHERS, electrical, commercial and other DISNIECTARY DISNIECTARY DISNIESTARY DISNIEST	-	_	
DishMashers, electrical, commercial and other Disinfectants Displays, advertising	lb. doz.	281, 871 380, 691	104, 210 429, 370
Displays, advertising	-	-	2,661,94
Display forms, mounting, etc.	_		1, 394, 89 12, 314, 63'
highillengt consin (and fi Cusin busyons) and distillength	-	-	1, 394, 81
Display forms, mounting, etc. istillers' grain (see "'Grain, brewers' and distillers'') itchers, blade	_	-	1
Divers equipment Dog collars and harness	_	_	98,34
Dollies, dinner cloths and tray covers, paper Dolls, all kinds	-		1
Dolls' furnishings and parts	_	_	4, 475, 90 535, 36
Doors and windows, aluminum	No.	151, 116	12, 256, 90 2, 288, 12
Doors, metal and metal clad (excluding aluminum)	-	- 1	10, 111, 083 20, 008, 88
Doors, veneer and plywood	No.	2,746,686	20,008,88 10,866,29
Doors and window frames		-	8,049,62
Dowels	_	_	14, 416, 771 397, 52
Down, processed (included with "Feathers") Drapes and drapery material	_	_	3,676,730
Oresserware, plastic	-	_	10,010,130
Oresses, children's: Cotton	No.	2, 014, 345	6, 015, 32
Nylon	88	440,078 445,845	1,653,510 1,431,26
Rayon and rayon mixtures Wool and wool mixtures	66	99,387	533, 75
Synthetic, other Silk	44	136,856 5,500	505, 14 54, 00
Not specified	8.6	30, 396	116, 08
Oresses, women's and misses': Cotton	44	3, 877, 103	21, 528, 85
Nylon Payon and rayon mixtures	44	345, 031 3, 390, 308	3, 939, 21 31, 596, 04

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Dresses, women's and misses'—Concluded: Wool and wool mixtures			
DIIK	No.	1,524,366 247,993	16,809,63
by infecto, outer	**	542,451	4,854,36' 4,003,12
Other (including jersey, knitted)	44	645,311	5,021,93
Cotton	44	1,785,204	4,109,796
Other Dressing gowns, negligees, (see "Bathrobes, etc,")	44	21, 590	148,71
Pressing, salad	lb.	36, 282, 697	0 101 70
	-	50, 202, 091	8,161,769 1,446,445
orilling machines (metal working)	-	dress	•
ornis, grain and returizer (combination)	No.	8, 107	5,692,888 5,868,583
rilis, grain, press and plain	_	-	1,000,00
orills, reamers, etc. including screw plates	_	mon	9,802,209
ruggists sunuries;	_	_	920,042
Nipples and soothers)		
ice caps and collars	} -	-	378,900
Not specified			
brums, veneer, plywood and other	-	-	738,48
Dyeing and finishing of textiles	yd.	62, 514, 808	8, 292, 388
Dyeing and finishing of yarns	lb.	1, 922, 119	530, 20
Dyeing and finishing of other products			2,159,590
yes, blended and packaged	_	_	3,608,446 103,587
yès, leather		in	109,225
ar muffsavetrough and pipe (see "Roof drainage equipment")		-	1
conomizers		_ [1
gg cases, wood	No.	202,805	139,825
ggs, frozen	_	_	1, 976, 264
gg substitute	_	-	1
lastic products, not elsewhere specified	-	-	1,864,764
lectrical apparatus, parts and supplies, n.e.s. excluding carrier current equipment.	_	_	5,079,00° 13,677,419
lectrical instruments (see "Instruments, etc.")			
Rectrical products and equipment, other	_	_	5,362,117
lectronic equipment, n.e.s	_		8,657,196 18,337,701
levators, freight and passenger	-	-	14,230,864 1,611,599
llevator parts	-		1,611,598 317,612
mbossing (included in ''Trade work n.e.s.'')			021,022
mbroidery	-	-	4,113,226
ngines, aircraft (included under "Aircraft and parts")			
ngines, auto	-	-	1
ngines, auto, partsngines, diesel	_	_	3,274,248
ngines, gasoline, all types except automobile	_		16,688,638
ngines, (steam turbine, marine)		-	19 000 110
ngraving (trade work)	***	_	13,863,116
nsilage and forage harvesters	=		1
nvelopes, madescalators	M	4,525,673	21,456,980 604,525
thanolomines	-		1
thyl acetate	-	-	1 1
thyl hexonal thylene	_	_	i
thylene dichloride	_	-	1
thylene oxide	_	-	1 040 505
vaporators (fin coils, ice-makers, etc.)xcelsior, paper	ton	2,624	1,643,537 212,720
xcelsoir, wood.	64	4,705	289,833
xcelsior, wrapper, mats and pads	_	_	137,540
xplosivesxtracts, flavouring (bakers', confectioners' household, etc.)	_	_	3,963,026
xtracts, flavouring, etc. (used for soft drinks see also "Concentrated")	-	-	957, 497
yes, artificial abrics, coated and impregnated, including felt saturated, book cloth and shoe	_	-	
materials)		_	9,344,793
abrics, rubberized and waterproofed	sq. yd.	2,855,366	1,450,356 2,262,963
abrics, other, n.e.s.	_		1,077,883
ace cloths			
acing and parting, foundry	_		873,474 1 406 550
ans, electric (except industrial type)asteners, zipper	ft.	104,993,506	1,406,550 8,863,468
at the state of th	_	-	1,350,783
asteners, other than zipper			
asteners, other than zipper	_	-	102,879 653,113

Items	Unit of measure	Quantity	Value of factory shipments
			\$
eed, poultry	ton	1,386,288	114,938,5
eeds, other livestock	44	1,386,288 1,597,832	116,406,0 1,191,4
eed, stock and poultry, n.e.s.	_	16,515	3, 361, 5
elt, coated and saturated (included in "Fabrics coated, etc.")			1
elt, cottonelt, harness and athletic	_	_	239,4
elt industrial and automotive (uncut)	lb.	1,746,470	460,0
elt, insoling, uncut.		000 000	î.
elt. sole	_	-	A
elt padding lining		000	3,440,7
elt, paper (see "Paper, building and roofing") elt, pennant, crest and fancy lining	-	-	412,0
elt. shoe and gaiter	116	2 160 552	370,6
elt, wool or containing wool for pulp and paper making	lb.	2,160,552 1,338,828	10,894,1 606,4
elt, n.e.s	-	- 1,000,000	6,236,6
encing, steel wire:	ton	12,353	2,767,9
Farm fence	44	1,392	414, 9
Chain link fabric	44	6,974	1,724,1
encing, snowences, n.s	_		573,3 917,3
erro-alloys, (ferro-siliction, ferro-chrome, ferro-manganese, silicon spiegel, etc.)	-	_	20,850,8
ertilizers, mixed	-	-	42,763,4
ertilizers, other than mixed including ammonium sulphate, ammonium nitrate phosphate ammonium nitrate (fertilizer grade), ammonium phosphate, and super-			
phosphate	-	-	56,133,9
ibre glass products, n.e.s	lb.	38,776,993	1,496,1 22,656,9
bre, staple and tow		-	1
iling system supplies	-	11 440 200	4,304,
illing pie, apple	lb.	11,448,366 21,561,124	1,606,4 5,028,1
illing, pie, powder (included in "Powders pudding") illms, motion picture		,	1
lms, motion picture		_	22,272,
ilms, photographers' including X-ray films	_		359,8
ilters, air, oil burner, cigarette, etc	-	-	3,550, 7,400,
ilters and elements, oil (automobile)irearms and accessories	soline State	_	1, 400,
ire clay	ton	13,046	85,
ire extinguishers, hand-type	-		2, 876, 5, 407,
ire fighting and fire protection equipment, n.e.s.	-	-	929,
ireworks (see "Pyrotechnics")	2222	1,913,609	41,750,
ish, canned	cases	150, 762, 000	24, 935,
ish, fresh, marketed for consumption sold in factories	44	624, 336, 000	120,663,
ishing nets and nettingishing tackle and accessories		_	1,647, 2,739,
ixtures, lighting:			
Commercial and industrial.		_	25,425, 8,376,
ResidentialStreet-lighting	_	_	4, 893,
Searchlights and floodlights	-	-	2,014,
lags and bunting	No.	218, 326	280, 515,
lashlight cases latware, electro-silver plated and sterling (see also "Cutlery")		-	4,605,
loor cleaning equipment, n.e.s		_	a a
loor covering, including linoleum, etclooring, hardwood	M. ft. b. m.	61,184	10,807,
looring, sheet rubber	lb.	1,148,783	378,
loor joist, steel (see "Steel structural and omamental")	_	_	3,357,
looring, metallour, barley	,	-	1
lour. com	-		*
lour, potato (see "Starch and flour") lour, prepared and self-raising, cake mixes, pie crust, etc	Compa	_	19,486,
lour preparet and seri-taising, care makes, pre craes, ever	_	man man	1
lour, soya bean	-	_	
lour, wheat: Spring No. 1 patent including Semolina	cwt.	8,100,601	38,420,
Spring No. 2 patent	41	13, 513, 459 10, 892, 911	58, 722, 44, 156,
Spring No. 3 patent	44	562,458	2,345,
Contario, winter	46	2,533,037	12,145.
urum Semolina	41	977, 386 2, 830, 975	4,160, 10.744.
Low grade flour	44	1,485,812	10,744, 5,885, 579,
lour, rye	-	one .	579,
lowers, artificial	ft.	1,583,621	2,829, 1,192,
lue liningsly pads and paper	_	_	_
ly swatters	doz.	66,702	71,
Foil (aluminum) laminated with paper or board (see "Paper board")		_	13,226,
Foil products, n.e.s.			2,401,

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Food drinks, liquid (see also "Powder, food drinks)	atom,	-	7,460,439
Fox biscuits	ton.	441	45,356
Dog biscuits	**	4,738 72,715	45, 356 1, 245, 736 14, 037, 531
Other dog and cat food Other fox food	4 e	14,466	2, 927, 950 276, 763
Mink and other animal food	_	2,605	276,763 3,283,424
r ood mixels	_	-	
Food, infant and junior (pre-cooked cereals)	lb.	8, 469, 202	2, 241, 639 3, 194, 810
Food, infant and junior, other, canned	_	_	21, 279, 952 4, 920, 740
Foots, vegetable oil	_	-	5,694,560
Foots, vegetable oil		_	
Felt uppers (including felt slippers): Babies'	pr.	17,848	19,043
Boys'	11	14, 165	37, 067
Men's	44	15,935 199,619	23, 111 599, 440
Misses'	88	7,878	18, 274
Women's and growing girls	T, #	5,010 7,874	13,513 15,739
Babies'	**	2,718,508	5, 268, 501
Boys'	66	1, 132, 569	3,872,431 14,802,315
Children's and misses'	44	5,902,665 7,045,481	14,802,315 42,544,330
Women's and growing girls	66	19, 080, 034	76, 244, 133
Footwear athletic	44	670,541 1,097,863	1,579,412 5,672,677
Footwear, moccasins, including shoe packs: Babies'	44	5,931	
Boys'	"	13, 147	10,044 28,509 21,696
Children's including little gents	**	17, 156 94, 812	21,696 288,578
Youths'	66	3,049	5,678
Women's, misses' and growing girls'	_	170, 480	280, 259
Footwear, plastic	pr.	2,740,753	3,424,940
Knee and hip boots, all rubber	64	903,817	2,970,089
Lumbermen's boots, all rubber Lumbermen's boots, all leather tops	e4 e4	258, 928 157, 664	1, 317, 963 1, 154, 031
Overshoes and galoshes, cloth uppers	44	791, 126	3, 221, 902
Overshoes, all rubber (lined and unlined)	44	2,871,100 2,526,480	8, 498, 111 3, 419, 856
Utility footwear with canvas or other fabric tops Rubber bottoms for leather tops	44	2,434,845 163,195	4,613,865
Footwear, not specified	-	103, 193	420,638
Forgings, iron and steel	_	_	21, 322, 812
Forks, (farm implements)	_		6, 061, 430
Formaldehyde	lb.	21, 107, 707	1,645,061 32,574,260
Fountains, soda and luncheonette equipment	-	-	1,012,864 1,206,195
Freezers, individual, home and farm	No.	76,056	15, 362, 090
Fringes, cords and tassels	_	_	i i
Frit, enamel	-	_	1
Fruit drinks	_ '	_	5, 081, 280 7, 949, 030
Fruit juices, concentrated (frozen) Fruit peel, candied	lb.	3, 345, 078	_
F'ruit pulp	-		988,460
Fruit, canned: Apples, including crab apples	lb.	11,064,325	1,143,504
Apple sauce	44	14,874,728	1,692,964 913,938
Apricots	-	4,622,052	1
Blueberries	lb.	1,051,013	262,318
Cherries	_	8, 131, 389	1,689,242
Peaches	lb.	47,638,443 33,167,403	7,879,178 5,143,853
Plums	44	7,709,580	966, 403
Raspberries	_	3, 115, 939	780,678
Strawberries	lb.	2,996,393	762,812 1,543,044
Fruit cocktail and fruit for salad	_	7, 360, 106	1,543,044 1,000,032
Fruits, fountain		4 305 054	
Fruits, glacé	lb.	4, 385, 054 3, 506, 402	2,056,927 2,120,500
Fruits, frozen for reprocessing	"	3, 363, 202	595,616 5,412,453 393,713
Fruits, frozen not for reprocessing	lb.	3,970,804	202 712

Alphabetical List of Commodities, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
ruits and flavours for ice cream	gal.	442,350	1,372,39
Tuits and vegetables, n.e.s.	-		538, 97
Ty pans, electric	No. unit	234, 044 581, 399	2,441,61
ur dressing and dveing	— unit	001,099	6,804,98
ur trimming		***	2, 520, 47
Pur synthetic and products	_		20 570 75
Turnace, warm air Turnace, industrial	_	- I	29,570,75 1,453,20
urnace not specified, and furnace parts	-	-	635, 83
'urniture, wood: Camp, lawn and verandah	_	_	290, 92
Children's		_	3,976,01
Household: Bedroom			36 270 00
Breakfast room		_	36, 278, 89 1, 114, 38
Dining-room	-		1, 114, 38 7, 171, 42 9, 960, 18
KitchenLiving-room (not upholstered)			9, 960, 18 9, 453, 99
Other	-	-	3,616,61
Office, desk	No.	59,624	4,749,13
Office, store and restaurant School, church, lodge, etc.		400	16,476,56 12,984,55
Other, furniture and cabinet work, n.e.s.	-	_	7,787,4
ımiture, metal: Breakfast room			12 245 4
Camp, lawn and verandah	_		13,245,43 3,329,23
Children's			3,329,2 251,5
Household, n.e.s. Kitchen	_		3,079,3
Office desk	No.	30,550	4,390,8 3,553,7
Office, store, restaurant, etc.	-	-	16,345,2
School, church, lodge, etc. Other not specified			8, 838, 5 6, 807, 3
urniture, wood (metal frames)			0,001,0
Living room (upholstered)		***	60, 608, 2
Not specified (upholstered)	-		5, 372, 2
Camp, lawn and verandah	_		254, 4
Office, school, lodge, church, theatre, etc.	-	-	1,426,4
Other not specifiedurniture frames and parts:	-		4,515,5
Wood		mino mino	9,891,5
Metal	_	. —	249, 1 42, 1
urniture glides	_	retor	1
ises and cut outs	-	No.	4,720,0
aiters, spats and leggings (children's)	Ξ.		1,217,6
mes, not specified	-		3.591.2
rage equipment, n.e.s.	-	-	2, 366, 2
s: Coke oven gas, made	M cu. ft.	49, 271, 627	
Coke oven gas, made	66	5,316,862	1,145,0
DryLiquified petroleum gases	bbl.	4, 804, 459	12, 508, 5
Oil pintsch.		4,004,400	230, 3
Still, from petroleum refineries	M cu. ft.	44,766,725	18, 831, 5
Gas producing apparatus and parts			6,337,3
asoline (excluding imported casing head-blended):			
Aviation gasoline	bbl.	1, 280, 422	10,651,1 520,956,2
Motor gasoline		101,381,604	520, 956, 2 90, 8
ites	No.	25,420	506,4
auges, plug, ring, thread, etc	-		1,211,6
ears, rubber tired, truck, trailers, etc.	No.	5,411	603,
ears, tramission	-	-	2,403.
Platine	lb.	2, 822, 853	1,594,
enerators, (electric) and partsass, bevelled and polished edge plates and sheets			1,594, 8,700, 822,
ass, cut (tumblers, bowls, etc.)		-	800,
ass, leaded, including memorial windows		_	286, 23,018,
ass, pressed, blown, and drawn, including bottles, sealers, windows, kitchenware,			
etc.	-		61, 598,
ass vials and chemical glasswareassware, decorated		-	652, 1,345,
ass products, other	_	_	4, 590,
asses, sight (see "Spectacles")			1
asses, sun	-	-	•
Dress:			
Rayon and nylon, women's	doz. pr.	181,578	2, 588,
Other dress		11, 161	104,
	66	807, 095	2,644,

Alphabetical List of Commodities, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Gloves and mittens, fabric, n.e.s	doz. pr.	52,643	251,344 589,438
Gloves and mittens, leather, dress: Men's, lined	44		
Men's,unlined	40	113, 280 21, 094	643, 793
Women's and children's, lined	**	21,681 6,666	2,851,019 643,793 303,787 184,715
Hoves and mittens, leather, work: Men's,lined	46		
Men's,unlined	**	73,652 391,673	1,075,917 4,124,622 452,791
Women's and children's lined and unlined		41,890	452, 791
hockey, etc.)	**	11,719	195, 575
Gloves, plastic, coated and rubberized	doz. pr.	166,735	469,231 1,170,796
Gloves, rubber Glucose	_	178,078	863,018
Hue (bone, hide, fish and vegetable)	lb.	29,735,360	9,530,461 229,398
Gluten feed	-	25, 155, 500	1
Slycerine, crude	lb.	2,016,502	524, 988
Slycerine, refined	6.6	11, 471, 215	3, 581, 418
Alycols not specified	_	_	i
Goggles, safety	_	_	4, 223, 794
Frains, roasted Grains sold wet and dry (Brewers' and distillers)	No.	438,589	2,617,382
Grains, roasted	_	=	i
Grains sold wet and dry (Brewers' and distillers)	_	_	4,535,659 4,574,068
Granite, for building purposes	_	=	2, 245, 552
Granules, roofing	_	enco Minus	1
Grape juice (included in "Fruit Juices") Graphite (included in "Electrodes carbon and graphite")			
Grate bars and grating	-	-	359,931
Gravy preparations Grease, n.e.s.	_	_	977, 739 462, 698
Frills and hot plates, electric, including stoves for glass coffee makers	No.	102, 285	604,093
Grinding machines (metal working)	_	=	181, 246
Gums, unvulcanized	lb.	805,988	424, 088 916, 549
Jypsum blocks and sheathing	sq. ft.	9,428,267	379,043
Hair, animal	_	_	707, 098 3, 256, 882
Hair nets (included in "Hair dressing equipment and accessories") Hair goods, not specified	-	_	156,093
Halters, leather	No.	26,907	75,676
Hammocks	doz.	136, 517	179,453
Handles, broom and mop	_		852,852 963,219
fandles, small tool	No.	15, 308, 165	1,016,738
Handles, n.e.s. Handling equipment, n.e.s.			790,026
Iangers, garment Hardware appliances	_	_	1,874,049 602,537
Hardware, automobile	_	_	5,999,590
Hardware, builders'. Hardware, casket	_	-	20,931,186 453,780
Hardware, furniture			6, 260, 221
dardware, harness and saddlery		-	11,639,591
Hardware, trunk and suitcase Hardware, not specified	_	_	230,543 7,635,723
Jamess, collars	No.	5,193	40,405
lamess, double	set	742	60, 792 49, 913
famess parts		_	265, 446
Harrow carts	No.	10,447	2,727,043
Harrows, drag and spring tooth	_	38, 176	664,239 1,475,368
lat blocks	-		76, 974
Men's	doz.	3,347	50,465
Women's	66	3,347 5,728 13,567	50, 465 135, 751 137, 228
Children's	de e		
Men's	44	80, 254 30, 836	4,971,790 1,478,819
lats, linen, women's	-	-	1
Hats, wool felt:	doz.	22,412	478, 294
Women's	44	49, 165	1,352,111 117,112

Alphabetical List of Commodities, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
ats, velour felt: Women's and men's	doz.	57, 107	2, 788, 1
ats. straw:	44		
Men's	**	26,844 91,098	608,3 3,980,8
Children's	66	19,415	258, 1
ts, silk and rayon, men's, women's and children's	4.6	8,386 25,401	268,3 738,6
ts, velvet, women's and children's	8 S	45, 139	1, 364, 7
ts, wool, women's and children's	_	4, 338	93, 4 163, 9
ts, waterproofed and oiled	doz.	3,681	9,
ts, not specified:	**	11, 225	58,9
Women's	44	52,027	1, 258,
Children's	41	25, 435	152, 1, 340,
adwear including tams, berets, etcts and caps, fur (see also "Caps, fur")	doz.	804	71,
ts, cleaned and redlocked	- dor	197 155	32, 1,999,
t bodiestters' supplies, including hat linings	doz.	137, 155	329,
y balers	No.	10,503	9, 186,
y loaders	No.	6, 304	15, 1,784,
ading, barrel	-	_	297,
aring aid moulds	No.	119, 127	1,848,
aters, auto and engine	-		2 500
aters, electric unit	_	_	5, 129,
aters, water tank, gas	No.	118, 202	7,736,
aters, water tank, electric	nissa.	_	835, 7,412,
aters, water, electric, including tanks and controls	_		481.
ating and ventilating equipment, n.e.s.	-	_ [14, 205, 6, 775,
els, leather, plastic, etc	pr.	13,618,433	1,804,
examethylenediamine	unu .	747,884	13,676,
des, all kinds	No.	191,009	1
ckey sticks	0000	-	2, 355,
es, handists	_	_	1,541,
llow-ware, copper	_	-	
llow-ware, sterling silverllow-ware, silver-plated on Britannia metal	_	_	301,
dlow-ware, silver plated on brass and copper	-	-	952,
llow-ware, silver plated on lead alloyllow-ware, silver plated on nickel silver	-	_	72, 289,
llow-ware, vitreous enamelled and not enamelled	-	-	1
llow-ware, other	_	_	102, 1,082,
lster sets (toy)ney butter (see "Spreads, sweet", etc.)			1
ooks eyes metal notions, etcoops, steel and steel wire (included in "Sheets, hoops, bands and strips, iron	_	-	•
and steel'')	1		
oves and hornsrmones, sex	1b.	901, 444	8, 2,663,
orseradish, prepared	1b.	786, 224	313,
rseshoesse, fire, cotton	_	_	1 65,
se, fire, rubber and rubber lined	1b.	240,571	343,
se and flexible tubing plastic	ft.	27, 217, 728	584, 1,080,
se, garden, plasticse, garden, rubberse, garden, rubbe	44	8,881,303	1, 127,
se, othersiery:			9,647,
Wool and wool mixtures:			
Men's seamless: Work socks	don on	419, 405	2, 264,
Fine socks	doz. pr.	494,866	4,060,
Other (anklets, etc.)	44	373,019	3, 659,
Full length	44	20,745	170,
Other (anklets, etc.)	44	25, 206	138,
Children's seamless; Full length	44	22,013	137,
Golfers	44	35,700	180,
Other (anklets, etc.)		200,500	998,
Men's seamless:			
Work socks	} "	271,572	1, 212,
Other (anklets, sports, etc.)	, ,,	136,826	592,
Women's seamless: Full length stockings	40	84,456	347,
Other (anklets, sports, etc.)	44	305, 340	1,004,

Item s	Unit of measure	Quantity	Value of factory shipments
			\$
osiery - Concluded: Cotton and cotton mixtures - Concluded;			
Children's seamless:			
Full length	doz. pr.	55, 411	216, 19
Other	44	31,015 342,882	106, 4: 881, 49
Full fashioned (all types)	44	10,974	82,6
Rayon and rayon mixtures:		4,656	63, 0
Men's seamless	1	100 004	400 4
Women's seamless Children's seamless		139,634	459, 40
Nylon:			
Men's seamless (dyed and finished)		728,609	3, 982, 00
Full length and knee high	44	5,838,433	29, 454, 7
Other (anklets, etc.) Children's seamless (dyed and finished) Full solvinged (dyed and finished)	44	480,836	2, 644, 30 3, 622, 50
Full fashioned (dyed and finished)	**	948,935 1,599,101	8,557,40
Greige (undyed and unfinished):		.,,	0,001,2
Women's full length and knee high: Seamless	6.6	607,742	1,807,3
Full fashioned	44	163, 446	521, 4
Other synthetic fibres, seamless	44	73,777	484, 1
osiery, not specified ospital equipment, n.e.s.		169, 494	562, 8 4 027 5
ousehold equipment, n.e.s. ouses, pre-fabricated (see "Buildings etc. pre-fabricated")	_	-	4,027,5 1,391,8
ouses, pre-fabricated (see "Buildings etc. pre-fabricated") umidifiers			
ydrants	No.	11, 298	1, 210, 6 1, 912, 6
ydrogen	_		598,1
ydrogen chloride, anhydrous	_	_	1
ydrogen Peroxideydrol		_	1
e, artificial	ton	375,705	2,624,4 64,561,1
e cream (factory)e cream mix	gal	39, 557, 325 3, 289, 543	64, 561, 1 5, 633, 2
e cream sundries, n.e.s.	_	0, 203, 040	656, 3
ings, icing paste and candy mixes pplements, hand, n.e.s. cense and incense charcoal	-	-	844,7
prements, nand, n.e.s			453, 0 8, 6
cinerators	_		8, 6 637, 4 139, 9
cubators and other poultrymen's supplies	-	don	139, 9
Bibs (including plastic bibs)	doz.	200,759	367, 9
Coats and coat sets		17, 268	1, 156, 8
Diapers	44	134, 481	2, 193, 6 1, 971, 1
Diaper sets, etc.	**	798, 479 50, 071	1,971,1 1,231,1 774,6
Headwear	1 66	89, 216 102, 094	774,6 496,6
Nightgowns	44	66, 854	782, 3
Rompers Sleepers (see also "Children's sleepers")	4.6	109, 284	1,636,5
Sleeping bags and bunting	,	21, 145	763, 9
Not specified	-		1, 105, 7
Not specified gots (see "Aluminum", "Steel", "Brass", "Bronze") k, printing and lithographing	14	22 400 451	10 205 0
k, writing and lithographingk, writing	1b.	33, 497, 451	16, 285, 0 287, 6
k, not specified	-	-	517,3
secticides and fungicides	-	40	11,070,0
struments (indicating, recording, controlling etc., n.e.s.): Aircraft engine and flight instruments	_	***	17,881,3
Electric quantity instruments and accessories		-	8, 665, 5 2, 635, 0
Flow and liquid level instruments and accessories			2,635,0 430,0
Optical instruments		_	653, 6
Pressure measuring, including gauges and accessories Recording indicating and controlling		***	1,897,3
Recording indicating and controlling	_		7,727,0 11,376,6
Other instruments and accessories, n.e.s.	_	-	5, 324, 9
Other instruments and accessories, n.e.s. sulating materials, n.e.s. (see also "Wool mineral and Vermiculate")	-		1,999,7 5,674,9
sulators, porcelain and insulator parts			3,01%,3
Quantity made	ton	4, 298, 849	00 100 0
Quantity shipped	No.	676,964 389,189	36, 160, 6 3, 651, 3
ons, electricons, gasoline	_	-	1,0,71,0
ons electric	No.	1,720	260, 4
on sinter and slag	_	-	1,341,5 27,790,5
on work ornamental and architectural	_	_	616, 3
igation equipment	-	-	313, 1
obutylene	_	_	1 189 4
acks, mechanical	1b.	88, 203, 979	1,189,4 18,619,5
avelle water	-	_	9, 452, 5
ellies	lb.	8, 231, 849	2,045,8 26,114,8

Items	Unit of measure	Quantity	Value of factory shipments
			\$
ewellers findings	_	-	363,317
igs and fixtures	-	_	3, 127, 970
ointers, woodworking	_		1
Cess heer	_	-	1
Cegs fish	-	-	å 000 400
Yegs, metal, n.s. Yegs, nail, etc.	No.	260, 767	338, 437 244, 790
(ettles, electric	140.	296, 341	1, 912, 675
Citchen equipment for hotels, cafeterias etc.	-		11,072,302
(itchenware, aluminum	_		5, 707, 208
(itchen ware, other (see also "Woodenware Kitchen")	_	- 1	4,759,103
Cnitted fabrics:	15	1 400 404	1 505 120
Cotton stockinette, including meatwrap	lb.	1, 482, 484	1, 585, 120 6, 054, 510
Nylon and nylon mixtures	4.6	4, 733, 576 1, 827, 932	6,908,488
Rayon and rayon mixtures	44	4,022,489	5, 399, 059
Other	-	- 1	1, 295, 577
(nitted goods, miscellaneous: Infants' jackets, booties, etc.	doz.	231,360	2, 807, 361
Not specified	_	-	2, 182, 472
Cnitting, custom	-	-	1, 295, 577
Knives, machine	-	-	1,920,503
Knives, paring Knives, pocket, (including army service knives)	_	_	1
Labels, gummed paper, lithographed, etc.	_		1
abels, fabric	M	70, 287	771, 395
Lace, all kinds	-	-	1
_aces, corset	_	= 1	1,205,641
Lacquers	_	_	8, 441, 266
Lacrosse sticks	-	-	1
Lactose (see "Sugar of milk")			2, 296, 738
Ladders, step, extension, etc		_	16, 821, 432
Lamps, incandescent (bulbs):			
Standard type	M	84,818	15, 891, 647
Miniature, all types, including christmas tree, flashlight, automobile, etc.	No.	36,978,321	5, 769, 268
Lamps, fluorescent (bulbs) Standard		7, 436, 271	5, 791, 752
Slimline	16	1,758,431	3,083,570
Lamps, photographic (bulbs)	**	44 505 010	2, 945, 271
Photo flash Other, including projection, etc.	**	44,507,216 423,103	489, 464
Lamps, mercury, etc. (bulbs)	11	51,714	657, 213
Lamps, electric (complete with shades).			
Floor	"	237,061 854,413	2,669,955 5,248,136
TableOther	11	543, 395	1, 292, 761
Lamps, electric (without shades)	**	14,785	121,001
Lamps, electric and others		-	394, 182
Lamp shades and wire frames	_		2,411,776 1,266,430
Lanterns, including railway, marine, etc.	lb.	120, 387, 467	15, 788, 489
Lasts, trees, and shoe findings, not specified	_	_	2, 794, 319
Latex	15	7 000 104	•
Latex compounds Latex, foamed, and chemically blown rubber	lb.	7, 382, 124 8, 366, 340	2, 968, 928 6, 872, 211
Lathes, metal-working	No.	124	575, 191
Lath, metal and corner bead	-		3, 963, 358
Lath, gypsum	sq. ft.	262, 112, 581	8, 162, 014
Laths, wood	M	137, 993	1, 498, 113
Lead, refined (metal)	lb.	53, 265, 610	6, 585, 776
Le ad, red			1
Lead, sheet	lb.	5, 656, 344	1, 559, 269
Lead, white, dry Lead, white, ground in oil	_	_	1
Lead products n.e.s.	-	-	215,613
Lead for pencils		-	116,843
Leather:		_	1
Bag, case and strap	sq. ft.	2,389,329	1,126,869
Garment	4.6	793,050	324,989
Glove	44	10,911,030	3, 259, 230
Lace		_	1
Oil tanned, shoe pack	_	_	1
Sole:			
Bellies	lb.	796, 253	289, 463 4, 064, 475
Bends	**	5,833,763 1,829,726	1,058,792
Upholstering (included in "Leather not specified")		2,020,120	2,000,100
Upper leather:			
Calf skins	sq. ft.	9,356,185	7, 911, 221
	44	54,994,214	21,356,404 3,175,268

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Leather — Concluded: Upper leather — Concluded:			
Goats skins			1
Other, not specified	sq. ft.	424,908	115, 918
Jeather, not specified Jeather, artificial Jeather, artificial Jeather, artificial Jeather	sq. yds.	5, 113, 034	2, 497, 023
Leather goods, not specified		5,115,054	5,590,69 85,842
Jecithin	No	1,847,735	490, 23° 3, 060, 958
Lenses, optical, contact		-,027,700	1
letters, aluminum, plastics, etc.			127, 30
ife buoys, jackets, belts, etcighter fluid			703,73 450,52
ighters, cigarette, and parts		-	1, 253, 11
ighting equipment, n.e.sighting rods and supplies		-	3,788,989 333,089
igninignosol		-	1
ime, quick (including value of containers)		_	12,058,40
imestone (building and monument)	-	-	2, 155, 68
inings, brake, asbestos		_	4, 366, 85
inings, glove and shoeinings, n.e.s.		-	1,055,06
inoleum (see "Floor covering") iquors, acid			1
itharge	-		i
ockers and shelving, metal	No	170	9, 488, 07
ocomotives, diesel-electric, new* ocomotive and car parts, n.e.s.	No.	172	29, 189, 36 3, 961, 76
og ends for pulping	cord.	21,396	211,55
coms, weaving	_		86, 48
Jubricating systems, automobile and other)	_	
oumber, planed	MIL. D. III.	1, 442, 953	103, 370, 338
umber, sawn*	1412	8,021,877	512, 698, 60° 1, 813, 51°
unch kits		-	1
Jye	Ib.	37, 255, 646	5, 223, 277
Macaroni, vermicelli, spaghetti, etc. dry	44	114, 698, 743	16,414,906
Adding	No.	10,380	1,723,77
Bakers', mixing Bakers' not elsewhere specified		745	868,370 652,708
Boring (metal-working)		-	1
Bottlers, n.e.s. Calculating (included in "Machinery, office")		-	37, 23
Canning and parts		-	44, 180
Cleaning and pressing (included in "Laundry cleaning and pressing") Concrete and cement making	–	-	4,475,91
Conveying and elevating (except passengers and freight elevators) and parts	<u>-</u>	_	4, 414, 80; 20, 849, 94;
Conveying and elevating (except passengers and freight elevators) and parts Dairy and milk products plant, excluding milking machines			1, 770, 43
Excavating, dredging, loading, etc. Flour and grist mill, n.e.s.		_	11,301,74 636,31
Food products machinery, n.e.s. including malking machines	–	777	1,609,00
Crain cleaners Grain grinding	****	422	308, 965 78, 805
Grain loaders and elevators Hoisting, except mine hoists		_	2, 399, 98 13, 554, 60
Kitchen and other household		_	10,004,00
Knitting Laundry, cleaning and pressing		_	1, 739, 92
Logging		-	1, 707, 83
Lumber driers Metal-working, n.e.s.		_	371, 55
Milking (included in "Food products machinery, n.e.s.")			13, 492, 118
Mining and metallurgical, n.e.s. and parts Office, n.e.s. (see also Machinery, adding)		=	30, 916, 39
Oil refining		_	4, 141, 014 481, 77
Printing.		_	2, 145, 70
Pulp and paper Road making		_	28, 545, 554 5, 142, 969
Rock drilling, earth boring and related machinery, n.e.s.		-	7, 739, 230
Rolling mill		_	12, 585, 959 1, 681, 269
Saw and planing mill		-	3,005,49
Sewing	–	_	11,878,98° 3,778,27
Textile, n.e.s.		-	145, 626
Transmission Vulcanizing			4, 354, 116

Items	Unit of measure	Quantity	Value of factory shipments
			\$
chinery — Concluded: Washing machines:			
ElectricOther power	No.	287, 185 2, 883	33,642,1 327,6
Parts and accessories	-	2,003	1
Industrial	-	-	1 007 0
Water and sewage treatment	_	pm-	7,607,6 973,7
Wrapping and packaging	-	-	973, 7 1, 657, 2
Other, not specified	_	_	36,588,8 8,683,4
gnesium products	-	-	1
gnets, permanent and other It, made for sale	Ξ	_	360, 2
lt, caramel		ann a	1
It coomings and sprouts	lb.	7,560,394	961,0
t, flour	-	1,000,094	1
ntles, lamp and stove			1 000 4
nure spreaders and loadersble products	No.	8,132	4,067,1
ble monuments			493,8
ble for building purposes	-	-	930,
ble, chips and dustgarine and margarine substitute	lb.	163, 506, 026	34, 360,
ine and fishermen's supplies	-	-	347,
malades	1b.	20, 847, 444	4,233, 1,744,
ches (in books)	No.	727,603,930	3,025,
ches, other	_	-	1 046
s and matting, rubbertresses, air and sponge		_	4,946, 260,
tresses, spring filled and other	No.	1,611,019	24, 241,
l, cereal grass	ton	58, 158 5, 686	3, 184, 543,
l, fish	**	44,965	4,323,
l, linseed oilcake	. 15	46, 168	3,471,
l, meat, hoof, lung, liver, etc.	1b.	95,364,742	3, 529,
al, rice	-		1
al, rye	ton	1, 131	1 74,
il, soyabean oilcake	ton	398, 733	25,818,
ats:	11.	1 054 101 007	COE COE
leats, fresh and frozen	lb.	1,654,101,807 371,544,671	605,625, 140,617,
Iorse meat, fresh and frozen	44	292, 185	28,
feats, cored and smokedfeats, cooked including sausage, weiners etc. (see also "Bologna and blood-		282,827,940	139, 343,
pudding")	**	323, 531, 288	134, 823,
ats, canned:	14	4,029,763	2, 374,
deady dinners, stew, etc.	44	31,769,362	7, 474,
ork	44	41 008 531	23, 454.
oultry	4.6	5, 316, 507	3,589, 3,186,
Paste, meat and chicken	44	5, 316, 507 5, 872, 652 5, 711, 833 29, 735, 855	2,883,
at scrap, cracklings, etc	66	29,735,855	1,010,
'Vitamins'', etc.):			
Registered as patent medicines		-	24, 442,
Ethical specialties for human use, n.e.s.	_	_	60, 635, 1, 551,
All other human medicines	-	-	9, 598,
Other, including medical chemicals, sutures, etc.	_	_	9, 253, 3, 518,
ers, gas	No.	117,386	3,502,
ers, parking	-	moto	282,
ers, water ers, other, and meter parts	_	_	858,
nyi chioride	-		1
hyl isobutyl carbinolhyl isobutyl ketone	-	-	1
hyl hydrate (see "Alcohol")	_	-	
a products		000 040 000	320,
k sold to consumersk sold to dairy plants	gal.	288, 340, 982 33, 868, 353	255, 169, 12, 401,
k sold to jobbers	6 C 6 d	52,649,975	34,943,
k, transferred to other branches of the firm	4.0	33,057,865	12,998, 2,650,
k, buttermilk, condensed	_		1
k, condensed	lb.	13, 221, 017	1,800,
k, evaporated	-	326, 116, 577	43, 715, 9, 043,
	71	3,966,648	303,
k. skim. condensed	1b.	0,000,010	
k, skim k, skim, condensed k, skim, evaporated k products, not specified k drinks, (see "food drinks")	iD.	3,922,742	212, 4,531,

Alphabetical List of Commodities, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Mincemeat		5, 929, 383	1, 200, 70
lirrorslolasses	ton	58, 917	4, 418, 22
onuments, lettered only	-		1,172,99 362,46
onument bases, etc		_	633, 21
ops, dishops, floor	46	60,954 376,423	88, 53 3, 704, 88
lops, n.e.s. and parts	. -		232,17
Intors, electric, A.C. and D.C. (except starting motors)	. -	-	337, 34 34, 834, 53
otors, other, and parts		_	5, 268, 02
ouldings including metaloulds and dies			15, 246, 67
foulds, n.e.s,		83, 975	4,555,58
lowers, hay (horse and tractor)	No.	25, 682	8, 711, 74 5, 905, 98
owers, lawnlucilage	. -	137, 221	5, 917, 29 1 84 , 31
luffs, fur	No.	2, 341	22, 43
Iultiplex equipment	. -	-	1,311,93
funitions and other war suppliesfuriate of potash	ton	2,269	139, 56
fusic, printedfusical boxes, powder and other	_	_	212, 78
fusical instruments and parts, n.e.s	-	-	93, 16
lustard, prepared	gal.	1,638,724	2, 397, 05
Tails, aluminum		140, 275	116, 37
Quantity made		130, 091 130, 021	82, 31
Nails, and spikes, cut from plate		-	1
Quantity made	keg	1, 160, 497	
Quantity shipped		1, 228, 847	12, 795, 46
Vails, n.e.s		=	74,61
Naphtha V.M. and P. or solvent*	-	3, 107, 317	8, 102, 47
Vapkins, paper			4,607,38
vecktiesvec		819, 690	7, 314, 95 418, 24
Veckpieces, fur	doz.	179	181,30
Jeedles, knitting, other	-	_	77, 58
iets and netting, fabric		= 1	986,66 261,90
light dresses: Cotton and flannelette	doz.	120, 477	2, 528, 48
Nylon Rayon and silk	- 11	142, 330 27, 196	3,556,78 801,67
Night dresses, knitted and other, n.e.s.	44	16, 584 1, 907	590, 29
lightshirts litrobenzol		1,907	42,52
litrogen	1b.	2, 876, 246	1,690,87 826,13
Ton metallic minerals n.e.s	-	_	1, 482, 53 1, 670, 13
Novelties, other	_	e =00 e=0	1,890,70
Juts, roasted, salted, etc. (see also "Peanuts roasted, salted coated")		6, 590, 658	4, 903, 93
Dars and paddles		38,604	254, 14 7, 432, 44
oatmeal		9, 004	989, 20 1, 496, 98
ffal, not specified			1
ilcloth, other than flooril, aniline		<u>=</u> 1	1
nil, cocoanut, crude and processed	1b.	11, 138, 643	2, 137, 06 507, 84
pil corn, crude	_		1
il corn, refined il, cotton seed	Ib.	18,713,081	3, 523, 55
Dil creosote	10.	13, 976, 096 18, 573, 000	3, 222, 75 1, 302, 00
oil, fish (vitamin)	Mu's	2, 631, 239	122,00 1,760,14
Dil, fuel:		4 970 022	
Aviation turbine* Diesel*	bbl.	4, 879, 032 28, 198, 409	18, 810, 58 112, 935, 70
Heavy fuel oil:* For own use	6.0	9, 583, 234	19,623,87
For sale	44	38, 043, 052	87, 305, 43

Alphabetical List of Commodities, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Dil, fuel - Concluded: Light fuel oil:*			
For own use	bbl.	6,360	27,57
For sale		48,621,017	197, 692, 41
Oil fusel Oil, kerosene, stove and tractor*	gal. bbl.	38,850 14,611,801	18,87 64, 215,57
Oil lard	-	-	1
Dil, linseed boiled Dil, linseed, raw	gal.	3,132,771	530,20 3,881,55 3,617,37
Oil linseed, special Oil, and grease lubricating*		2,394,914	3,617,37 49 ,006,03
Dil, and grease lubricating*	lb.	412,379	86, 22
Nil nalm and nalm kernel	-	0.045.001	1
Dil, peanut Dil, rapeseed Dil,	lb.	3,245,831 4,587,520	939, 31 724, 41
bil, soybean	66	4,587,520 214,779,418 2,211,011	22,762,80 308,08
oil, sunflower seed il, vegetable, n.e.s.	_	_	8, 266, 43
Dils, other, not specified	_		6, 746, 12
Dies stock Dives, bottled, etc.	lb. gal.	2,212,040 1,071,782	301,28 4,687,09
Optical equipment, n.e.s. Organs, all kinds	_	_	184,67 1,915,78
Organ parts		-	*
Ornaments, not specified	No.	143	173,33 784,1'
Ovens, domestic, electric (built-in)	-	13, 205	1,779,60 1,561,43
Overs, industrial, electric			_,,,,,
Bib: Men's and youths'	doz.	50,003	1,936,2
Boys'	"	567	12, 8
Men's and youths' Other, not specified	44	53,963 191	2,970,15 4,05
Dungarees and waist hand:	40		
Men's and youths' Boys'	44	134,966 163,475	3,990,42 3,280,30
Overall coats (jumpers only): Men's and youths'	**	9, 163	344,19
Boys' Smocks, dusters and shop coats (men's & youths')	- doz	35,886	1,595,50
Children's overalls, all kinds	doz.	244,571	3, 191, 9
Oxygen	_		14,368,1
Packing, asbestos Packing, rubber	lb.	2,691,666	596,23 1,409,40
acking, not specified	-	-	1,040,8
Packing house equipment Pads, electric, heating	No.	161,431	514,7
Pads, ironing board Pads, sanitary	doz.	35,560 34,997,600	431, 73 11, 218, 03
Pads, shoulder	doz. pr.	878,312	868, 3 206, 5
Pads, stamp	_	_	1
Pads, and padding, n.e.s.	_	_	1, 916, 9
Pails, paper Pails, tin Pails, n.e.s.	_	_	259, 09 53, 78
Painting equipment, n.e.s.	Ξ,	150 005	2,301,4
Paint, varnish and enamel removers	gal.	178, 065	544,60
Paints and enamels, water-thinned: Latex base emulsion paints	gal.	4,643,312	18, 204, 7
Resin and other bases emulsion paints, (paste and semi-paste)	44	372,877	1, 155, 3
Casein and other protein bound, glue bound: Dry	lb.	595,748	81,2
Paste and semi-paste	lb.	230, 562	30, 2
Calcimines	66	373,253	48,90 185,80
Lime and cement bound	_	1,377,134	122, 9
Paints and enamels, ready mixed	gal.	22,185,657	95,330,33 163,93
Paints, semi-paste (not including water-thinned type)	_	-	282,8 640,9
Paints and enamels, other (see also "Lacquers")		* 000 000	1
Palletts (skids)	No.	1,008,822	3,096,7
Breeches: Men's and youths';			
Wool and wool mixtures	6.6	3,144	25,4
Cotton Boys' wool and wool mixtures	No.	11,616	28,7
Cotton			1

Items	Unit of measure	Quantity	Value of factory shipments
Parks and all the W			\$
Pants and slacks, fine, separate, dress and sport: Men's and youths:			
Cotton or chiefly cotton	No.	882,779	3,550,48
Rayon mixtures, chiefly rayon	46	352, 968 573, 702	1,691,134 2,623,033
Wool mixtures, chiefly wool	44	923, 447 652, 799 150, 309	9, 068, 87 3, 963, 91
OtherBoy's:	**	150,309	883,31
Cotton or chiefly cotton	**	803,908	1,771,66
Rayon Rayon mixtures, chiefly rayon	44	273, 566 470, 233	792, 82 1, 276, 80
Wool	44	84,868	397,85
Other	e e	462,373 30,672	1,525,65 168,61
Pants, uniform, separate: Men's and youths':			
Military	86	27, 368	140,62
Pants, work:		49,223	518,62
Men's and youths': Cotton	doz.	341,348	12,215,93
Not specified	44	56,315	2, 183, 95
Boys:	_	_	
Cotton	doz.	85,008 18,625	2, 258, 068 537, 900
Pants, baby (plastic, rubber, etc.)	doz.	741,356	1,811,25
Pants other:	_	-	
Boys' wash pants	doz.	39,315	492,650 82,57
Paper:			
Adding machine and cash register	_	_	1, 236, 640
Blotting, clay coated and enamelled		_	6, 866, 290
Book (basic)	ton	127, 426	33, 197, 648
Box cover, coloured	ib.	2,509,846	802, 223 2, 580, 274
Building and roofing paper: Asphalt saturated rag and asbestos felt shingles and shingle type sidings	square	2, 484, 481	15, 236, 646
Mineral surfaced rag and asbestos felt roll roofing	66	678, 267 755, 208	1,997,414
Smooth surfaced rag and asbestos felt roll roofing	**	755, 208 140, 345	1,707,837 404,664
Tar and asphalt saturated rag and asbestos felts, not coated	ton	52, 564 15, 521	4, 165, 025 1, 962, 126
Other dry sheathings	6.6	3,350	380, 625
Insulated siding	ton	71,737	5,567,39
Carbon		_	3,923,83
Coated, n.e.s.	-		18, 412, 860
Corrugated (paper and wrappers) Creped or crinkled	M. sq. ft.	308, 756 1, 160, 548	4,448,136 414,876
Fine, writing and reproduction (basic)	ton	130, 106	45,581,72
Foolscap	lb.	591,086	151,377
Friction or flint glazed	lb.	4,678,637	1,611,726
Special, industrial	_	_	466,783
Lining, pan, shelf, etc. Parchment, vegetable	ton	3, 762	2,015,40
Paper napkins and doilies (see "Napkins" and "Doilies") Newsprint paper (basic):			
In sheets, for printing	66	50,003 6,528,031	7,069,486 763,040,075
In rolls for printing		0,020,001	1
Other	ton	112, 017	25, 988, 694 17, 034, 758
Safety paper for cheques etc.	ton	41, 177	1
Sanitary (basic) Tissue, converted.	44	2,492	9,336,400 958,447
Tissue, other than sanitary, (basic stock)	44	14, 122 56, 583	4,847,418 25,773,351
Towel (see "Towels, paper")	reams	330, 178	457, 116
Typewriter Vinylite	- i canto	_	1 407, 110
Wallpaper	_	_	1
Waxed paper:	1b	26 160 016	6 770 000
Bread wrappers Other, plain and printed	Ib.	26, 168, 918	6,772,382 11,878,702
Wrapping paper (basic stock): Unbleached sulphate kraft No. 1 and 2	ton	247, 780	48, 408, 382
Bleached sulphate or sulphite Unbleached and semi-bleached sulphite and sulphate	66	33,955 4,061	48,408,382 10,718,233 1,003,203
Unblooghed and comi blooghed culphite and culphate	44	7, 483	1,003,203

Alphabetical List of Commodities, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory Shipments
Paper, miscellaneous, n.e.s. (converted)	=	-	1,254,31 1,321,89
Paper goods	-	_	
Box board (basic stock)	ton	388,095	63,437,45
Container chip (basic stocks)	_	_	1
Corrugating board (basic stock)	ton	197,479	24,712,25
Liners (basic stock) Aluminum foil laminated with paper or board	1b.	373,577 15,119,884	51,131,92 8,693,66
Clay coated and enamelled	***		1
Coated other, not specified	_	= 1	1
Wet Machine boards	_	_	3,039,43
All other board and paper, n.s. apeteries (stationery in boxes) see also "Paper—Writing pads, tablets, etc.")	No.	1,873,200	813,74
arachutes and parachute equipmentarafilm	_	ann I	1
Paraldehyde	-	-	1
Partitions, office etc.	_		7,082,53 998,04
Paste, flavouring	_	_	1
Paste, meat and chicken (see "Meats, canned")			
Paste, tooth (see "Dentifrices") Patterns and models, foundry and other wood and metal	_	_ :	3,080,55
atterns, paper	,-		1,686,56
Peanut butter	lb.	34,131,318 23,890,418	11,154,07 7,886,44
Pearls, artificial and simulated	_	20,000,410	1,338,08
Peas, split		-	*
Peavies, cant hooks and pike poles	_	_	309,14
Pencils non-mechanical (black lead)	gr.	499,120	2,173,00
Pencils, non-mechanical, n.e.s.	44	204,189	1,294,95 554,71
Pencils, mechanicalPencils, mechanical included in "Antibiotics")	doz.	107,953	304, ()
Penicillin preparations			4,260,36
Penicillin - streptomycin preparation	_		1,088,0' 313.4'
PennantsPennantsPennants	doz.	2,367,637	4,015,03
Pens, fountain	**	118,281	2,876,25
Pen parts, including ball point replacement cartridges	I	_	1,255,01
Perchlorenthylene	-	-	1
Perchlorenthylene Percolators, electric (see "Coffee-makers, electric") Perfumes	_	_	1,882,51
Periodicals, printed by publishers:		_	1,002,02
Newspapers, daily:			160 027 5/
Gross revenue from advertising Subscriptions and sales			169,927,54 61,964,88
Newspapers, weekly and other:			
Gross revenue from advertising	_	_	41,038,2 14,000,9
Magazines of general circulation:			
Gross revenue from advertising	-	-	21,033,3
Subscriptions and sales		-	7,208,7
Gross revenue from advertising	~	- 1	62,916,2
Subscriptions and sales	bbl.	3,618,606	29,700,0 11,338,3
Petroleum products n.e.s.	_	-	48,8
Phenacetin	-	-	1
henol phonographs, electrically operated (included with "Record players, electrically operated")	_	_	
operated")			1
Phosphorus	_	_	1
Phosphorus sesquisulphide Photo-engraving (trade work)	_	-	13,929,5
notographic materials, n.e.s. (including photo paper)	-	-	6,338,5
Phthalic anhydride		_	
Grand	_	7.	1
Upright Re-built	No.	8,344	3,488,3
Piano strings and other parts	-	_	1,051,0
Pickets	-	-	74,2 24,606,8
rictures, framed	_	_	956,0
cicture and miror frames, etc	-	-	1,516,9
Pies, cakes, and pastry, (see also "Puddings, cakes, etc. canned")	_	_	96,157,7 2,194,1
les, meat, except frozen 'llow cases (included in "Sheets and pillows cases, cotton") 'llow cotton (included in "Cotton fabrics broad woven")			0,101,1
Pillow cotton (included in "Cotton fabrics broad woven")	N.o.	005 101	1 000 4
Pillows	No.	997,124	1,926,4 1,208,1
Pipe, asbestos cement		_	1
Pine culvert sheet metal	ton	54,220	17,313,8
Pipe sewer drain and culvert, cement	**	1,094,278	27,110,4 3,155,1
Pipe, lead	lb.	2,559,844	699,5
Pipe, plastic	min .	_ !	3,802,1

Items	Unit of measure	Quantity	Value of factory shipments
are also also the desired and models.			\$
pe, steel, rivetted and weldedpe, wooden	ton	396, 149	85, 223, 71
pe and elbows, stove and furnace	_	= :	5,704,6
pe and fittings, cast iron, soilpe and fittings, cast iron, water		58, 138	11,626,35
pe and fittings, cast iron, other	_	_	16,881,21 4,200,42
pe and fittings, malleable ironpe and fittings, steel, n.e.s.	ton	5,004	3,497,38
pe and fittings, n.e.s.	_	_	14, 201, 41 4, 723, 5
pe and tubing, aluminum			4,351,43
pe and tubing, copper, unalloyed pe and tubing, copper alloyed (brass, bronze, etc.)	lb.	59, 131, 290 6, 477, 015	31,733,13 3,972,34
pe and tubing, steel	_	-	24,626,74
pes, tobaccoston rings, expanders, etc. (automobile)ston rings, expanders etc. (automobile)ston rings expanders expanders etc.	doz.	6,374	89,1
ston rings, non-automotive		_	3, 250, 5
stons, automobile	No.	1,520,539	1,275,7
ace mats (paper)		130, 982 53, 153	5,686,18 230,68
aners, wood-working	No.	76	92, 11 5, 972, 9
aners, customanters, corn	M ft. b.m. No.	692,191 894	
anters, potato	140.	- 054	171,7
aques	-	- 1	20,1
asticizers (included in "Accelerators") astics, primary (see "Resins, synthetic")			
astic products:			
Film and sheet	-	-	15,120,3
Foam, sheets, slabs, blocks etc. Angles, channels, rods, tees etc.		1,813,088	3,440,5 1,275,4
Other synthetic and plastic products n.e.s.	_	-	16,175,1
ate and tank work, steel, miscellaneous	ton	41 691	27,947,4 6,384,1
ate, black, not specifiedates, sheets and strips, brass, copper, etc.	lb.	41,681 57,594,701	26,458,8
ates, all kinds including boiler and other sheared plates	ton	387,993	52,275,9
ates, metal, licence, name, etc		oria .	3,049,2 6,695,8
ates, offset or lithograph (including negative and positive)		_	7,635,1
ates, forks and spoons, paper	M	76,177	534,1 327,5
ayground equipment—commercial	_		1,075,7
aypens			1
oughs, agricultural: Disc	No.	620	169,2
Harrow ploughs, one-way discs, tiller combines	4.6	5,861	3,549,4
Mouldboard	6.6	14,066	1,727,1 40,7
Other	_	_	40, 1
oughs, snow (included in "Snow removal equipment) ugs, wooden	-	-	590,0
umbers' supplies, n.e.s. (brass, copper etc.)	_	-	20,443,5 98,675,7
vwood products, n.e.s.		-	853.7 100,0
ison, gopher and rat		_	100,0 578,1
lish, furniture		_	287,4
lish shoe		-	1,092.0
lish, stove lishes and dressings, automobile	_	_	20,8 1,180,2
liches and drassings n s	- 1	-	254,6 17,994,0
lishes and waxes, floor		_	6,068,6
lishers, floor, electric etc. and parts lishing mitts and cloths	1000	_	1
peorn including popcorn confectionery stcards, printed	-	-	2,204.4
stcards, printedsts, steel, fence, street lighting etc.	ton		857.3 1,279.9
Sts. n.e.s.		-	109,4
tassium chlorate	***		1
tassium citrate and potassium hydroxidetasium citrate and potassium hydroxide	lb.	34,973,118	21,889,4
tato pickers, sorters and diggers	No.	97	34, 1
t holders and oven mitts t scourers (soap inpregnated metal pads)	-		264,5
t scourers	-	-	1,075,5
ts, flower	_	_	243, 5 822, 1
ttery, glazed and unglazedultry (see "Meats")			
wder, baking	lb.	9, 254, 456	2,714,6 573.8
wder, buttermilk		7, 744, 082 726, 523	254,6
wder custard wder, egg	6.6	1, 162, 555	1,134,6
wder food drink	66	19,784,084 17,139,295	11.353.7
wder jelly		17, 139, 295 41, 885, 189	7, 158, 8 13, 176, 3
wder, whole milk wder, malted milk		-	1
wder skim milk	lb.	175,855,550	20,680,6 7,420,9
owder, pudding and pie filling		19, 123, 766 5, 401, 628	4,072,5
wder, pudding and pre ming wders, soft drink	44	0.401.040	606,0

Alphabetical List of Commodities, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Powder, bronze, iron and aluminum	_	-	1,873,72
Powder, sachet	_	= 1	270,701 5,795,146
Power units	_	_	1
Precious metals including platinum, etc.	-	-	762, 38
Presses, hydraulic, and other power	_	_	2, 226, 389
Pressure cookers (included under "Kitchenware, aluminum") Printing, not elsewhere specified: Circular letters (included under "Other printed matter")			
General, for trade	***		3, 242,,168 6, 195, 250
Custom printing, (paper supplied by customer)		_	0, 190, 20
Blue prints and photostats	_	_	1, 503, 113 31, 474, 438
Other printed matter: menus, statements, sheetforms, bank notes programmes, etc.			
(see also "Advertising matter", "Certificates stock, bonds, etc.")		-	148,709.84
Projectors	- I	_	2,847,73 3,108,77
Projectors			,
Propellers and drive shafts	_	Aven	*
ruddings, cakes etc., canned and other	lb.	297,494	172, 11
Puffs powder	doz.	368, 598	282,64
Pulpstones, artificial	_	***	749,80
Pulp chips	-	-	30,913,98
Pulp (wood): Ground wood:			
Quantity made	ton	5,880,529	
Quantity shipped	**	267, 492	18, 252, 20
Quantity made	66	2, 441, 784	
Quantity shipped	4.6	1,647,051	195, 325, 79
Quantity made	**	964,806	
Quantity shipped	44	840,900	120, 430, 49
Sulphite, unbleached: Quantity made		1,719,436	
Quantity shipped	44	248, 538	27, 221, 56
Screenings: Quantity made	44	73, 257	
Quantity shipped	44	21, 784	623,79
Defibrated or exploded wood: Quantity made for use in producing mills	**		
Other:		157,706	4,093,92
Quantity made	88	223,971	0 = 44 44
Quantity shipped		58, 148	6,744,44
Centrifugal	-	-	9, 145, 34
Cistern and pitcher Deep well	no.	1,609	333, 32
Rotary	-		1 010 12
SumpVacuum	no.	34,684	1, 208, 25
Steam and electric	no.	407	335,69
Other power pumps		-	657, 29
Gasoline dispensing pumps	no.	8,534	4, 241, 29 630, 19
Household water systems, deep well and shallow well	no.	59,142	5, 437, 26
Pump jacks Pumps and pump parts, n.e.s.		_	205, 17 5, 288, 62
unching machines	-		
Purses, pocket-books and folders Putty and fillers, n.e.s.	_		2, 571, 54 1, 924, 06
Pyjamas:			1,021,00
Cotton and flannelette: Men's and youths'	doz.	147,915	3,850,16
Boys'	6.6	42, 457	633, 39
Women's and misses' Children's	40	186,994	4, 332, 37
Rayon and rayon mixtures:		214,058	3, 134, 99
Women's and misses'	86	63, 323	895, 40
OtherNylon:		9,242	113,83
Women's and misses'	41	67,442	1,877,13
Other	41	3, 165 34, 519	71, 53 869, 41
Other	44	16, 397	342,81
Tyrometers, thermocouples and accessories	-		622,66
Pyrotechnics	yd.	6,789,729	2, 722, 57
Racquets, tennis and badminton	No.	42,655	194,03
Radar equipment (see also "Radio communication equipment")	_	_	20, 233, 38
tadiators and cores, automobile	_		196,90 6,008,66
Radiators, heating, concealed type		-	4, 352, 89
Radiators, heating, standing type			1,591,08

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Radio communication equipment		_	26,831,141
Radomes (plastic)		_	59, 417, 069
Rail anchors		_	8, 284, 390
Rails, iron or steel (highway)		_	870,596
Quantity made	ton	224,306	_
Quantity shipped	6.6	223,033	25, 385, 347
		_	11,488,083 473,415
Rayon fabric (see ''Synthetic fabrics'' and ''Knitted fabrics'') Razor blades		_	1
Razors, safety, other than electric (see also "Shavers") Recorders, time			1
Recorders, wire or tane	i i	_	835,823
Records, phonograph Record-players, electrically operated	No.	20,686,738	12, 200, 896
Rectifiers for Storage battery charging and parts	-	=	5, 352, 358 1, 656, 362
Reels for wire, rope and hose Refractories:		142,625	1,453,192
Cement, hight temperature	ton	19,898	2,027,327
Firebrick from domestic clay	ton	4,397,389	553, 196 161, 741
Other			16,667,635
Household mechanical, complete, (electric)	No.	239,436	40, 211, 631
Commercial fixtures: Walk in and reach in coolers, all sizes	44	4,862	4,641,717
Other, not specified	–	- 1,002	1.349.848
Refrigerator parts Refrigerator and air conditioning equipment n.e.s.		_	1,248,634 6,396,539
Regalia, n.e.s		-	2,768,517
Registers and grills, air	—	_	2,930,617
Regulators, (temperature, flow and pressure and control valves) Remedies, stock and poultry	no.	_	5,901,388 4,717,502 650,508
Repair gums and fabrics	lb.	578,078	650, 508
Repair kits Repair patches, tire and tube	No.	911,459 3,082,982	327, 795 946, 620
Resins synthetic n.e.s. (see also "Laminates, plastic, etc.")	lb.	315, 612, 029	86,037,318
Ribbons	ton	36,946	3,007,783 8,689,011
Rifles and shot guns (see "Firearms") Rings, fruit jar, rubber	1		1
Rings, fruit jar, zinc	::: = =	-	1
Rockwool (see ''Wool, mineral'') Rods, copper wire	lb.	124, 412, 122	40, 256, 729
Rods, iron and steel wire:			20,000,100
Quantity made Quantity shipped	ton	343,052 347,629	42,949,477
Roll covering, rubber	—	_ :	423, 211
Rollers, printers'			1,088,756
Rolls, rubber covered	No.	306, 688 523	1, 256, 960 232, 199
Roof drainage equipmen t		-	3, 182, 341 5, 093, 580
Roof deck			15,056,639
Roofing preparations, n.e.s	–	-	508, 344
Jute and hemp	lb.	109,363	68,045 2,371,855
Manilla Sisal		5, 253, 484 3, 515, 263	1,062,877
All other		_	1,004,930
Rubber and rubber goods, hard			1, 429, 591
Rubber coverings, linings, etc.	1b.	1,931,318	1,968,166 1,552,706
Rubber goods, moulded Rubber goods, plumbers' Rubber goods, sanitary, n.e.s.		-	2,679,355
Rubber goods, santary, n.e.s. Rubber goods, soft and sponge		_	3,413,821
Rubber automotive and aeroplane parts	1b.	10, 248, 157	5,747,196 1,208,599
Rubber master batches and mixes		-	-
Rubber, thread	Ib.	783, 267 335, 872, 000	1,293,420 76,038,587
Rugs, automobile	No.	40, 203	213, 493 398, 470
Rules, plastic and wood		_	1
Rust preventives and removers		_	595, 987 8 5, 0 8 2
Saddle parts			45,668
Safes, vaults and fittings Safety equipment n.e.s.		_	7, 219, 206
Sails	-	-	175,732
Salt curing Sanders, woodworking	No.	2,852	142, 346
Sandstone (building)		_	79,790

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Sandwich relish and spread (see also "Paste meat and chicken")	_	_	1, 173, 165
anitary ware	-	-	22, 764, 183
anitary ware ash, aluminum, brass, etc. (included in "Windows, complete, aluminum and other sash, doors and other mill work sauces, catsups and relishes (see "Tomatoe catsup" and "Pickles, relishes etc.") sausage casings	-	_	48,888,812
auces, catsups and relishes (see "Tomatoe catsup" and "Pickles, relishes etc.")	-	_	9,061,969
ausage (see Meats cooked, including sausage)			813,609
awdust and waste, sold	= =	_	16 238 883
aw parts cales	No.	78,092	5,976,992 3,913,714 2,691,772
carves and mufflers	_	-	2,691,772
chool supplies, not specified	_	_	2,049.584
crap, aluminum	lb.	8,760,989	1,547,923
crap, brass, bronze and copper		=	1, 366, 924 2, 474, 471
creens, window	-	_	414, 453 557, 765
Screening and netting n.e.s.	_		134,448
crews and screw machine products	_	_	24, 281, 313
eals	_	-	814,666
earchlights, floodlights etc. (see "Fixtures, lighting") easonings, dry and liquid	_	_	2, 224, 945
seed boxes for one-way discs, etc. Seed treatments and fungicides (see "Insecticides and fungicides") Shades, window, shade cloth and fittings:	-	-	939, 881
Ordinary shades and blinds	Ξ		2,659,265
Shade cloth, rollers, etc.	-	-	2,659,265 2,706,762 1,292,184 8,535,137
Shakes, processed and strained (building purposes)		=	1
Shapers, wood-working		_	1
Shavers, electric and parts	-	-	1,840,562
Shawls	_	_	1
Sheet forms, commercial, etc, printed (included in "Printed matter, other"). Sheeting, cotton (included in "Cotton fabrics, broad woven"). Sheets, crib	doz.	14,492	134, 235
Sheets and pillow cases, cotton	-		9,423,925
Sheets and sheeting, plastic, rubber and waterproof		_	286,024 12,886,937
Sheets, aluminum Sheets, hoops, strips, skelp (iron and steel rolled and drawn) and tin plate galvanized	lb.	43,334,301	16, 277, 159
sheets etc.	-	-	274,563,130
Sheets and strips, silicon	ton lb.	9,010 2,152,141	2,077,945 1,015,891
Shields, dress	doz. pr.	50,346	227,341
Shims, railroad and other Shingle bands	M	12,876	137, 152 129, 643
Shingles, asbestos cement	square	189,617 1,744,899	1, 307, 727
Shingles, wooden	_	1, 144, 099	14,763,471 149,127,992
Shipbuilding and repairs Shirts, fine, men's, youths', and boys': Cotton	doz.	776,364	20,840,429
Rayon and nylon	"	22, 378 58, 193	832,430
Terylene Other, including shirts for formal wear	**	58, 193 22, 089	2,391,269 1,050,212
Shirts, sport, men's, youths' and boys':	44		
Cotton	**	388,995 87,022	11,070,758 2,846,243
Nylon Wool and mixtures	6.6	4,420 30,238	156,574 1,699,925
Other	46	52,880	1, 455, 421
Shirts, T-Shirts Sweat shirts, jerseys, etc.	66	834,605 110,528	8,686,867 1,769,146
Shirts, work, men's youths' and boys':	44	1	
Cotton		136,571 9,625	3,460,714 663,154
Shirts, not specified	**	93,013	1,625,131
Shock absorbers, automobile Shoddy, mungo and wool extract (see "Wool or part wool, reworked or reprocessed")	_	-	·
Shoe materials, pyroxylin coated (included in 'Fabrics coated and impregnated') Shoe trimmings	_	_	589,661
Shoe uppers and tops	pr. M ft. b. m.	66,743 33,355	208,921 3,728,685
Shortening:			
Containing animal fat and marine oil	lb.	110,885,278 66,212,018	22,890,487 14,798,537
Shorts and middlings Shovels, hand (see "Spades, shovels and scoops").	ton	392,611	15, 818, 106
Shovels, hand (see "Spades, shovels and scoops"). Shuttlecocks, badminton	_	_	i
Signal systems (traffic, fire alarms, etc.)		-	3,487,352
Signs, electric: Neon and other luminous tube:			
Shipments (sold outright)	No.	19,886	5,694,213 5,631,158

Items	Unit of measure	Quantity	Value of factory shipments
			\$
gns, electric — Concluded: Other electric:			
Shipments (sold outright)	No.	19,084	2, 666, 04
(leased or rented)	-		694, 50
Metal	-	-	3,975,42
Plastic	_		1,009,73 4,807,65
licon carbide, crude	ton	84,611	13, 026, 00
lk and synthetic fabrics, broadwoven:			
Fabrics wholly of filament yarns:	aad	60 011 000	00 000 ==
Rayon (see also "Knitted fabrics"). Nylon (see also "Knitted fabrics")	sq. yd.	62,811,863 11,739,194	22, 222, 79 6, 296, 68
Terrylene	44	4,675,574 4,861,154	3,353,94
Fabrics wholly of spun yarns:			3,769,7
All rayon	44	12, 257, 328 2, 332, 730	7,326,00 1,769,31
Other spun yarn fabrics	44	3, 118, 786	2,484,3
Filament yarns with cotton	**	12, 122, 650 17, 073, 017	11,658,72 12,718,91
Other synthetic mixtures	ana	-	1, 479, 73
P	1b.	25, 479, 684	2,767,0
tes, ice blades, onlytes, ice complete	_		2, 725, 3
tes, roller	_		1
werss	M	25,025	47,54
s, water	_	_	179, 5
poles and fittingsns, calf	No.	606, 495	144, 10 3, 277, 45
ns, sheep	-	000,495	1,634,4
ns, dressed (excluding raw)	_	_	2,091,60
rts:		_	
ottonayon	No.	2, 224, 412 252, 136	6,788,20 798,3
ayon mixtures	44	296,672	939,43
oollen	46	2,889,960 111,299	14, 693, 68 407, 93
os and edgings	-		1,341,4
ghs, babyghs, children's	No.	169,560	459, 14
ers, meat and bread (included in "Food products machinery")		200,000	100, 1.
pers, (see also "Footwear, felt"): sables"	pr.	145,624	169,33
30ys'	44	64,346	71,70
Children's, including little gents	44	157, 648 742, 192	224, 0 1, 861, 3
isses'	44	111,633	188, 58 2, 496, 78
/omen's and growing girls'	44	1, 242, 554 53, 424	2, 496, 78
opers, Indian:			
Sabies'	44	24,834 97,514	25, 26 134, 7
Phildren's, including little gents	64	97, 514 322, 718 267, 283	350, 50 548, 1
isses'	44	383, 587	386.6
ouths'	44	1,627,577 15,242	2,057,0
pers not specified including foam tread	-		3, 219, 69
lter and refinery products*	doz.	6,987	1,495,177,5 219,8
ke breeching	-	- (396, 4'
ker sets (ashtrays, stands, etc.) kers' supplies, n.e.s.	No.	45,524	300,5 201,4
kestacks, steel	-		432,93
w shoes	pr.	17,278	144, 96 3, 357, 2'
wmobiles and parts	-	-	5,695,8
p: astile	lb.	390,715	61, 21
Tousehold and laundry (bars)	44	13,897,906 13,543,263	2, 662, 12 2, 313, 93
ousehold and laundry (chips and flakes)	44	13, 472, 627	2, 235, 4'
owder	6.6	31,220,363 4,012,839	6,656,68 437,18
oftextile and mill	44	269,399	46.0
oilet (bars and liquid)	44	41,166,614 1,808,350	15, 597, 6 2, 315, 1
having, including shaving creams	44	2,034,044	366, 5
ot specified	44	5,077,902 9,572,175	896, 19 142, 69
p stock	-	0,012,110	1 142,0
ium benzoate		4000	1
lium carbonate (sal soda and soda ash)lium carboxymethyl cellulose (carboxel)	_		1

Items	Unit of measure		Value of factory shipments
			\$
odium chlorate and citrate		****	1 1
odium cyanideodium (mono) glutamate		_	1
odium hydroxide (caustic soda)	ton	26頁, 166	14,903,98
odium hydrosulphide		-	1
odium hypochlorite		_	1
odium metasilicate		-	1
odium nitramilledodium phosphate, monosodium, disodium trisodium and tetrasodium		-	1
odium pyrophosphate		_	1
odium silicate			1
odium sulphate odium sulphite			1
odium sulphamethazin			1
odium thiosulphite		-	1
odium trypolyphosphateolder		_	5, 385, 78
oling rubber:			17,000,10
Rubber and composition soles (full and top)	pr.	6, 182, 952 12, 329, 432	2, 140, 03
Soling and top lifting sheets, rubber and composition	lb.	3, 491, 148	4, 164, 20 1, 874, 0
oles, felt and other (insoles)		-	820, 73
oup, canned (excluding infants' soups)	1b.	269, 293, 647	52,003,64
oup filler or cracker meal	1b.	14, 172, 167	11, 320, 1
pades, shovels and scoops		- 1	2,086,93 10,343,4
		33, 841, 241 174, 579	10, 343, 4 1, 682, 3
pectacles, complete	pr.	111,010	2, 528, 7
pectacles, complete pectacles, complete pices, all kinds including ''Mustard compound'' pikes, railway	lb.	6, 153, 388	4,885,66
pikes, railway	ton	7,331	1,549,76 3,167,73
pinning, custom pinnings, metal, etc.		_	1, 114, 3
pirits, produced during the year but placed in bond for maturing:		05 050 000	14 050 0
From grain From grain	pf. gal.	25, 256, 863 971, 888	14, 973, 98 625, 93
From molasses and fruit pirits, beverage, sold outside the distilling industry:			
Whiskey, Highland type		97,982	861,73
Canadian rye type		13, 497, 181	116,056,74
Gin	pf. gal.	1,338,095	8,655,96
Brandy		98, 371 847, 224	863, 11 6, 001, 48
Rum Other beverage spirits		603, 040	3,900,93
ponges, cellulose		- 1	1
pools bobbins and shuttles port gloves and mitts (baseball, hockey, boxing etc.)		7	1, 014, 65 1, 397, 2
porting goods, not specified	<u> </u>	=	9, 437, 24
porting goods, not specified		14 000 504	1, 235, 1
preads, sweet, except jam (including sugar butter, honey butter, etc.)	1b.	14,060,594	2,640,49 10,940,10
prings, bed:			
Box	No.	283,760	7,483,99
Cable		105,989	651,09
Link	No.	51,821	817,8
Slat		144,934 67,590	1, 402, 49 798, 0
Not specified		-	8,603, 19
nringe unholstoring other		-	4, 246, 9
prings, for cars and locomotives		_ i	881,9 4,215,4
orings, for cars and locomotives prings, for cars and locomotives puages, sawn (spoolwood and other)	M ft. b. m.	12, 264	1,660,1
aninzers, ice cream, etc.	10.	125,645	82, 7 954, 1
ains ampings, metal, n.e.s.	gal.	300,074	16,666,2
amps, postage, revenue, etc.		_	1,849,8
amps, rubber amps, not specified	-	-	1,856,8 353,0
aples, wire	kegs	24,670	298, 9
arch, corn, edible	_	-	1
arch, corn, laundry arch, wheat		-	1
		2, 503	338, 2
arch and starch products		-	1,312,8
arch and starch products ationery goods, not specified atues, art goods and church supplies		-	1,889,1 1,568,5
aves, parter		11,324	919, 2
ceam	lhs.	1,687,660,679	1,086,9
earates (metallic soap)earine	1b.	1, 100, 835	143, 5
eel erected (structural work):			
Bridges Buildings	ton	127,369	53, 675, 1
Buildings		328,823 12,832	114, 280, 5 4, 056, 2
Other			12, 494, 00
teel shapes, structural (angles, channels tees, etc.):		241 202	
Quantity made		241, 392 234, 530	30, 075, 6

Sugar, Irong (starth added) Sugar, Irong (starth added) Sugar, José Sugar, Jos	Quantity	Value of factory shipments
Quantity made quantity allaneous Sieel woo Sieel woo Sieel woo Soloers, mechanical Sol		Š
Seel, mix call products and seed of the control of	5, 708, 603	_
Siese wool. Schein eter (see "finited fabrics") Skokers, mechanical Skoker parts. Skoker parts. Skone, artificial Skoves, heading and cocking (see also "Ovens"). Coal, wool and sawdust Skold fuel or oil with electric or gas combination Electric stoves or ranges, all styles. Electric stoves or ranges, all styles. Gasoline, fuel oil or kerosene stoves or space-heaters (heating) Gasoline, fuel oil or kerosene stoves or space-heaters (heating) Gas stoves (heating) Gas stoves and parts including cafeteria restaurant, etc. Cother stoves and parts including cafeteria restaurant, etc. Stove pipes (see "Pipes and elbows, stove") Straps, leather Mossarps, leather	215, 271	16, 255, 786
Slocking the (see "inited fabrics") Slokers, mechanical. Sloker parts Sloker parts Sloker fatures, n.e.s. see also "Ovens"): Cotal, wood and sawdast Sloker fatures, n.e.s. see also "Ovens"): Cotal, wood and sawdast Solid fuel or oil with electric or gas combination. Electric fangettes Solid fuel or oil with electric or gas combination. Electric rangettes Electric rangettes Solid fuel or oil with electric or gas combination. Electric rangettes Solid fuel or oil with electric or gas combination. Electric rangettes Solid fuel or oil with electric or gas combination. Electric rangettes Solid fuel or oil with electric or gas combination. Electric rangettes Solid fuel or oil with electric or gas combination. Electric rangettes Solid fuel or oil with electric or gas combination. Electric rangettes Solid fuel or oil with electric or gas combination. Gas slotes, electric oil oil reference of the electric oil oil reference oi	_	17, 262, 502
Socies, mechanical Store fixtures, n.e.s. Store, artificial Store fixtures, n.e.s. Store, avoid and sawdust Solid fuel or oil with electric or gas combination Provided the control of th		1
Soore, statificial Score intures, n.e.s. Stoves, heating and cooking (see also "Ovens"): Coal, wood and sawdust Coal, wood and sawdust Solid fuel or oil with electric or gas combination Solid fuel or oil with electric or gas combination Solid fuel or oil with electric or gas combination Solid fuel or oil with electric or gas combination Solid fuel or oil with electric or gas combination Solid fuel or oil with electric or gas combination Gas oline, fuel oil or kerosene stoves or ranges, (cooking) Gasoline, fuel oil or kerosene stoves or space-heaters (heating) Gas cooking plates, no oven Other stoves and parts including cafteria restaurant, etc. Stove pipes (see "Pipes and elbows, stove") Strapp, leather Gas cooking plates, no oven Other stoves and parts including cafteria restaurant, etc. Stove pipes (see "Pipes and elbows, stove") Strapp, leather Gas cooking plates, no oven Other stoves and parts including cafteria restaurant, etc. Stove pipes (see "Pipes and elbows, stove") Strapp, leather Gas cooking plates, no oven Other stoves and parts including cafteria restaurant, etc. Stoven pipes (see "Pipes and elbows, stove") Strapp, leather Gas cooking plates, no oven Other stoves and parts including cafteria restaurant, etc. Strapp, leather Gas cooking plates, no oven Other stoves and parts including cafteria restaurant, etc. Strapp, leather Gas cooking plates, no oven Other stoves and parts wood. Rayon and wool, chiefly rayon. Rayon and wool, chiefly rayon. Rayon and wool, chiefly rayon. Rayon and wool parts wood. Other Grayon and make suits, n.s. Other Gas cooking plates in cooking plates in chiefles in chiefles plates in chiefles plate	956	1,035,135
Sore Intures, h.e.s., sore successful and cooking (see also "Ovense"): Solid fuel or oll with electric or gas combination. Solid fuel or oll with electric or gas combination. Electric rangeties Gasoline, fuel oil or kerosene stoves or ranges, (cooking). Gasoline, fuel oil or kerosene stoves or space-heaters (heating). Gasoline, fuel oil or kerosene stoves or space-heaters (heating). Gas cooking plates, no oven Other stoves and paris including cafteria restaurant, etc. Stove pipes (see "Pipes and elbows, stove") Stove pipes (see "Pipes and elbows, stove") Streptonycin (included in "Antibiotics") Streptonycin (included in "Spreads, sweet") Sugar butter (included in "Spreads, sweet") Sugar granulated: Cane. Cane. Cane. Sugar, pown or yellow Sugar, index and store st	_	465,800
Electric stoves or rangets, all styles Electric rangettes Gasoline, fuel oil of kerosene stoves or ranges, (cooking) Gas stoves (heating) Gas stoves and ranges (cooking) Cober stoves and parts including cafeteria restaurant, etc. Stove pipes (see "Pipes and eblows, stove") Straps, leather Straps, leather Staws, drinking M Steptonycin (included in "Antibiotics") Sugar buter (included in "Spreads, sweet") Beet Beet Beet Beat Cane Stags, brown of yellow Sugar, invert Sugar, jorder Sugar, of milk Sugar,	=	7, 470, 763 652, 074
Electric stoves or rangets, all styles Electric rangettes Gasoline, fuel oil of kerosene stoves or ranges, (cooking) Gas stoves (heating) Gas stoves and ranges (cooking) Cober stoves and parts including cafeteria restaurant, etc. Stove pipes (see "Pipes and eblows, stove") Straps, leather Straps, leather Staws, drinking M Steptonycin (included in "Antibiotics") Sugar buter (included in "Spreads, sweet") Beet Beet Beet Beat Cane Stags, brown of yellow Sugar, invert Sugar, jorder Sugar, of milk Sugar,	41, 381	1,774,862
Electric rangettes Gasoline, the lot of kerosene stoves or ranges, (cookins) "" Gasoline, the lot of kerosene stoves or space-heaters (heatins) "" Gasolone, the lot of kerosene stoves or space-heaters (heatins) "" Gas stoves and ranges (cookins) "" Gas stoves and parts including cafeteria restaurant, etc. "" Other stoves and parts including cafeteria restaurant, etc. "" Stove pipes (see "Pipes and elbows, stove") "" Steptony (included in "Antibiotics") Steptony (included in "Spreads, sweet") "" Steptony (included in "Spreads, sweet") Sugar strautated: Beet "" Sugar strautated: Beet "" Sugar, lofing (starch added) Sugar, lofing (starch added) Sugar, jour "" Sugar, lofing (starch added) Sugar, pulverized (no starch added) "" "" "" "" "" "" "" "" ""	7,071	1,874,363
Gass atowes (neating) Gas stores (neating) Gas cooking plates, no oven Other stores and ranges (cooking) Gas cooking plates, no oven Other stores and parts including cafeteria restaurant, etc. Store pipes (see "Pipes and eblows, store") Straps, leather Stores pipes (see "Pipes and eblows, store") Straps, leather	221, 524 14, 349	31, 088, 943 500, 744
Gas stoves and ranges (cooking) Ches stoves and parts including cafeteria restaurant, etc. Ches stoves and parts including cafeteria restaurant, etc. Straps, leather Strap	109, 620 44, 533	2, 482, 660
Gas cooking plates, no oven Other stoves and parts including cateeria restaurant, etc. Cove pipes (see "Pipes and elbows, stove") Streptomycin (included in "Antibiotics") Kyrene. Bigar butter (included in "Spreads, sweet") Bigar granulated: Beet. Cane. """ Cane. """ Sagar, long (starch added). Bigar, clong (starch added). Bigar, clong (starch added). Bigar, pulverized (no starch added). Bigar, pulverized (no starch added). Bigar, spown on wool, chiefly rayon. Rayon and wool, chiefly rayon. Rayon and wool, chiefly rayon. Rayon and wool, chiefly wool Other. Children's: Cotton. Rayon and mixtures. Wool and partly wool Playsuits and wash suits, n.s. doz. Other Rayon and wool, chiefly rayon. Rayon and mixtures. Wool and partly wool Wool No. Wool and partly wool """ Rayon and rayon mixtures. Wool and partly wool """ Rayon and rayon mixtures. Wool and partly wool """ Rayon and rayon mixtures. """ Wool and partly wool """ Not specified """ Wool and partly wool """ """ """ """ """ """ """	15, 447	2, 449, 421 973, 747
Cother stores and vool, chiefly rayon. Rayon and wool, chiefly rayon. Rayon and rayon mixtures. Wool and partly wool Rayon sand rayon mixtures. Wool and partly wool Not specified witts and dresses, women's and children's knitted (see "Dresses, wool, Knitted") witts, uniform: Men's and youths': Williary Non-military Halphonamide (sulpha) preparations Liphur will ray wool Wool and partly wool Non Rayon and wool, chiefly rayon. Rayon and wool, chiefly rayon. Rayon and wool, chiefly rayon. Rayon and rayon mixtures. Wool and partly wool Non Rayon and wool, chiefly rayon. Rayon and wool, chiefly	32,068	4, 370, 158
Straps, leather	-	2,887,000
kitays, urinking with the properties of the prop	84,970	362, 935
Seef	1,009,981	522, 827
Seef	35,735,785	3,950,643
Beef Cane		3,000,010
ugar, lord (sarch added) ugar, lord (ugar, lord) ugar, lord (ugar, lord) ugar, of milk ugar, of mila	286, 114, 399	20, 202, 577
ugar, lord (sarch added) ugar, lord (ugar, lord) ugar, lord (ugar, lord) ugar, of milk ugar, of mila	286, 114, 399 1, 148, 748, 761 135, 583, 849	84, 324, 159 10, 367, 513
	84, 768, 934	7, 240, 576
ugar, pulverized (no starch added)	13,667,221	1, 463, 055
Rayon and wool, chiefly rayon Rayon and wool, chiefly rayon Rayon and wool, chiefly wool Wool Other Children's: Cotton Rayon and mixtures Rayon and wool, chiefly rayon Rayon and rayon mixtures Wool and partly wool Not specified Women's and rayon mixtures Wool and partly wool Not specified Wits and dresses, women's and children's knitted (see "Dresses, wool, Knitted") uits, uniform: Men's and youths': Military Wohonamide (sulpha) preparations ulphur ulphun dioxide, liquid uperphosphate milled, screened and bagged upperphosphate milled, screened and ba		1, 100, 000
Rayon and wool, chiefly rayon Rayon and wool, chiefly rayon Rayon and wool, chiefly wool Wool Other Children's: Cotton Rayon and mixtures Rayon Rayon and mixtures Rayon and mixtures Rayon and mixtures Rayon Rayon and mixtures Rayon Rayon and mixtures Rayon Men's and youths': Rayon Rayon and wool, chiefly wool Wool Not specified Rayon and rayon mixtures Wool and partly wool Not specified Wits and dresses, women's and children's knitted (see "Dresses, wool, Knitted") Wen's and youths': Military Men's and youths': Military Men's and youths': Military Mon-military Uphonamide (sulpha) preparations Uphur Mixtures Uphynomamide (sulpha) preparations Uphynomamide (sulpha) preparations Uphur Mixtures Uphynomamide (sulpha) preparations Uphynomamide (sulpha)	-	•
Rayon and wool, chiefly wool Wool Wool Children's: Cotton Rayon and mixtures Wool and partity wool Moo. Wool Children's: Cotton Rayon and mixtures No. Wool and partity wool Moo. Wool Rayon and wool, chiefly rayon Moo. Rayon and wool, chiefly rayon Mool M	107 000	1 000 010
Wool	127, 063	1,369,213
Other """ Colton — Rayon and mixtures No. Wool and partly wool """ Playsuits and wash suits, n.s. doz. Other No. Men's and youths': """ Rayon and wool, chiefly rayon """ Rayon and wool, chiefly wool """ Wool """ Not specified """ Women's and misses": """ Cotton """" Rayon and rayon mixtures """" Wool and partly wool """" Not specified """" Wits and dresses, women's and children's knitted (see "Dresses, wool, Knitted") uits and dresses, women's and children's knitted (see "Dresses, wool, Knitted") uits, uniform: """" Men's and youths': """"	16, 482 21, 403	171,003 322,522
Cotton	14, 945	147, 340
Rayon and mixtures Wool and partly wool Playsuits and wash suits, n.s. Cher Rayon and wool, chiefly rayon Rayon and wool, chiefly rayon Rayon and wool, chiefly wool Wool Not specified Not specified Wool and partly wool Not specified Wool and partly wool Not specified Wool and partly wool Military Wool and partly wool If wool and partly wool Wool specified Wool and partly wool Not specified Wool specified Wool and partly wool Not specified Wool and partly wool Not specified Wool and partly wool The specified Wool and partly wool Wool and	_	1
Playsuits and wash suits, n.s. doz. Other No. Men's and youths': Rayon and wool, chiefly rayon Rayon and wool, chiefly rayon Rayon and wool, chiefly wool Wool Not specified Not specified Not specified Not specified Wool and partly wool Wool and partly wool Wot specified Wot specified Wot specified Wool and partly wool Wool and wool and partly wool Wool and wool	12, 173	69,602 429,572
Other Men's and youths': Rayon and wool, chiefly rayon Rayon and wool, chiefly wool Wool Not specified Women's and misses': Cotton Rayon and rayon mixtures Wool and partly wool Not specified Wot specified Women's and misses, women's and children's knitted (see "Dresses, wool, Knitted") uits and dresses, women's and children's knitted (see "Dresses, wool, Knitted") uits, uniform: Men's and youths': Military Non-military Non-militar	49,841 152,727	429, 572 2, 413, 145
Rayon and wool, chiefly rayon Rayon and wool, chiefly wool Wool Not specified Women's and misses': Cotton Rayon and rayon mixtures Wool and partly wool Not specified Wot specified Women's and partly wool Not specified Women's and children's knitted (see "Dresses, wool, Knitted") uits and dresses, women's and children's knitted (see "Dresses, wool, Knitted") uits, uniform: Men's and youths': Military Non-military Non-military Non-military Inphonamide (sulpha) preparations Inphur dioxide, liquid Uperphosphate, other (Included in "Fertilizers, other than mixed") Uperphosphate, other (Included in "Fertilizers, other than mixed") Uperphosphate, other (Included in "Fertilizers, other than mixed") Uperplassed and orthopaedic appliances and surgical dressings: Surgical and orthopaedic appliances including wheel chairs, crutches, etc. Surgical belts Surgical slockings, elastic Orthopaedic corsets Orthopaedic corsets Orthopaedic boots Artificial limbs No. Foot easers, arch supports, etc. Trasction kits No. Trusses Other surgical supports, braces and splints	8,900	123, 509
Rayon and wool, chiefly wool Wool Not specified Not specified Rayon and rayon mixtures Wool and partly wool Not specified Wool and partly wool Not specified Wits and dresses, women's and children's knitted (see "Dresses, wool, Knitted") Wen's and youths': Military Men's and youths': Military Non-military ulphonamide (sulpha) preparations ulphur dioxide, liquid uperphosphate milled, screened and bagged uperphosphate (included in "Fertilizers, other than mixed") ugical and orthopaedic appliances and surgical dressings: Surgical and orthopaedic appliances and surgical dressings: Surgical shandages and dressings Surgical shandages and dressings Orthopaedic corsets Orthopaedic corsets Orthopaedic corsets No. Foot easers, arch supports, etc. Traction kits No. Trusses Other surgical supports, braces and splints	193, 486	4, 044, 066
Wool Not specified "" Women's and misses": Cotton Rayon and rayon mixtures "" Wool and partly wool "" Not specified "" Wool and partly wool "" Not specified "" Wits and dresses, women's and children's knitted (see "Dresses, wool, Knitted") "" uits, uniform: Men's and youths': Military "" Non-military "" Non-military "" ulphour dioxide, liquid "" uperphosphate milled, screened and bagged "" uperphosphate, other (included in "Fertilizers, other than mixed") "" upercal and orthopaedic appliances and surgical dressings: Surgical bandages and dressings "" Surgical belts "" Surgical belts "" Surgical belts "" Orthopaedic corsets "" Orthopaedic corsets "" Orthopaedic boots "" Antificial limbs "" No. Foot easers, arch supports, etc. "" Trasction kits "" Other surgical supports, braces and splints "" Trusses "" Other surgical supports, braces and splints "" Touses "" Other surgical supports, braces and splints "" Taston kits "" Touse "" Touse "" Touse "" Touse "" Truston kits "" Tr	43,714 104,337	1,068,244 2,938,889
Women's and misses': Cotton Rayon and rayon mixtures Wool and partly wool Not specified uits and dresses, women's and children's knitted (see "Dresses, wool, Knitted") uits uniform: Men's and youths': Military Non-military User of the constant of the con	1, 235, 044	2, 938, 889 47, 933, 737
Rayon and rayon mixtures Wool and partly wool Not specified uits and dresses, women's and children's knitted (see "Dresses, wool, Knitted") uits, uniform: Men's and youths': Military Non-military ulphonamide (sulpha) preparations ulphur ulphur dioxide, liquid uperphosphate milled, screened and bagged uperphosphate, other (included in "Fertilizers, other than mixed") urgical and orthopaedic appliances and surgical dressings: Surgical bandages and dressings: Surgical bandages and dressings: Surgical belts Surgical slockings, elastic Orthopaedic corsets Orthopaedic corsets Orthopaedic boots Artificial limbs No. Foot easers, arch supports, etc. Traction kits No. Trusses Other surgical supports, braces and splints	36, 094	1, 101, 126
Wool and partly wool Not specified "" Uits and dresses, women's and children's knitted (see "Dresses, wool, Knitted") uits, uniform: Men's and youths': Military Non-military Uphonamide (sulpha) preparations Uphur dioxide, liquid Uperphosphate milled, screened and bagged Uperphosphate, other (included in "Fertilizers, other than mixed") Upergical and orthopaedic appliances and surgical dressings: Surgical and orthopaedic appliances and surgical dressings: Surgical belts Surgical shockings, elastic Orthopaedic corsets Orthopaedic corsets Uptoble Corset	46, 708 36, 419	399, 110
uits and dresses, women's and children's knitted (see "Dresses, wool, Knitted") uits, uniform: Men's and youths': Military ulphonamide (sulpha) preparations ulphur ulphur dioxide, liquid uperphosphate milled, screened and bagged uperphosphate, other (included in "Fertilizers, other than mixed") urgical and orthopaedic appliances and surgical dressings: Surgical bandages and dressings Surgical bandages and dressings Surgical belts Surgical stockings, elastic Orthopaedic corsets Orthopaedic corsets Orthopaedic boots Artificial limbs Foot easers, arch supports, etc. Traction kits Trusses Other surgical supports, braces and splints	446,043	459, 055 11, 292, 424
uits, uniform: Men's and youths': Military Won-military Ulphonamide (sulpha) preparations Ulphur Ulphur dioxide, liquid Uperphosphate milled, screened and bagged Uperphosphate, other (included in "Fertilizers, other than mixed") Urgical and orthopaedic appliances and surgical dressings: Surgical and orthopaedic appliances including wheel chairs, crutches, etc. Surgical bandages and dressings Surgical belts Surgical stockings, elastic Orthopaedic corsets Orthopaedic corsets Orthopaedic boots Artificial limbs Foot easers, arch supports, etc. Traction kits No. Trusses Other surgical supports, braces and splints	53,776	634, 996
Military " Non-military " ulphonamide (sulpha) preparations " ulphur military " ulphur military " ulphur military " uperphosphate milled, screened and bagged muperphosphate, other (included in "Fertilizers, other than mixed") urgical and orthopaedic appliances and surgical dressings: Surgical and orthopaedic appliances including wheel chairs, crutches, etc. — Surgical bandages and dressings " Surgical belts No. Surgical stockings, elastic " Orthopaedic corsets pr. Orthopaedic boots " Artificial limbs No. Foot easers, arch supports, etc. " Traction kits No. Trusses No. Other surgical supports, braces and splints " "" Other surgical supports, braces and splints " "" Other surgical supports, braces and splints " "" "" "" "" "" "" "" "" ""		
Non-military ulphon amide (sulpha) preparations ulphon amide (sulpha) preparations ulphor (doxide, liquid uperphosphate, other (included in "Fertilizers, other than mixed") uperphosphate, other (included in "Fertilizers, other than mixed") urgical and orthopaedic appliances and surgical dressings: Surgical and orthopaedic appliances including wheel chairs, crutches, etc. — Surgical bandages and dressings —— Surgical belts —— Orthopaedic corsets —— Orthopaedic corsets —— Orthopaedic corsets —— Trustion kits —— Traction kits —— Traction kits —— Orthopaedic supports, etc. —— Traction kits —— Orthopaedic supports, etc. —— Orthopaedic supports —— Orthopaedic supp	8, 334	396, 465
liphur liphur liphur liphur liphur liphur liphur dioxide, liquid ————————————————————————————————————	165, 585	7, 605, 999
ulpur doxide, liquid uperphosphate milled, screened and bagged ton uperphosphate milled, screened and infection uperphosphate milled, screened and infection uperphosphate milled in the m	=	1, 603, 196
uperphosphate, other (included in "Fertilizers, other than mixed") uperphosphate, other (included in "Fertilizers, other than mixed") urgical and orthopaedic appliances and surgical dressings: Surgical bandages and dressings	13, 138	526, 312
Surgical and orthopaedic appliances including wheel chairs, crutches, etc.	10, 100	520, 312
Surgical bandages and dressings	_	152.646
Surgical stockings, elastic ————————————————————————————————————	-	8, 449, 340
Orthopaedic corsets pr. Orthopaedic bots	47, 110	199.872 275,015
Artificial limbs No. Foot easers, arch supports, etc Traction kits No. Trusses Other surgical supports, braces and splints	11,599 458	116, 324
Foot easers, arch supports, etc. — — — — — — — — — — — — — — — — — — —	1, 432	14,075 448,231
Trusses	2, 116	246,963 17,982
Other surgical supports, braces and splints	26, 199	137,728
uspenders, supporters and gartersdoz.	412, 116	956, 401 1, 021, 586
wathers No.	5, 611	5, 668, 438
weaters, cardigans, pullovers, etc. doz, weepers for roads and streets No.	1,507,777	49, 830, 304 551, 705
weeping compounds	-	1, 336, 612 55, 597, 546

Alphabetical List of Commodities, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Syringes, fountain and attachments	doz.	14, 285	121, 549
Syrup, béverage	_	_	1,990,682
Syrup, fountain, fruit, etc.	-	entre .	941,661
Syrup, table		_	1,137,062
Syrups for soft drinks (for sale)	gal.	6, 281, 254	11, 151, 337
Syrup making equipment (maple)		- }	402, 364
yrups, other	_		52, 581 588, 865
Fable cloths, plastic, rubber, etc.	doz.	29,943	243,350
Tableware, plastic	_		4, 111, 703 1, 449, 525
Tableware, n.e.s. Tacks, cut, wire	_	_	744, 330
Fags and labels, shipping		-	25, 779, 410
Tailors' supplies, n.e.s.	1b.	202, 957, 647	2,866,641 11,956,400
Pankage, animal (raw and processed)	66 -	88, 573, 163	2, 862, 659
Tank jackets	-	-	122,762
Tank, steel, storage, black, galvanized, etc.	-	-	19, 040, 903 7, 242, 444
Tanks, pressure, n.e.s. Tanks, steel, septic	No.	4, 254	279,405
Fanks, other, not specified	-		10, 997, 397
rape, adhesive	116	00 000 011	E 010 005
Tape, paper, gummed	1b.	20,082,611	5, 219, 885 9, 152, 540
Pape, rubber and friction	lb.	1,705,383	1,760,839
Tape, telegraph and ticker	Maga	-	1,136,015
Tapes, n.e.s.	_	_	1,547,709
Papestries (see "Upholstering fabrics")	_	_	
Lapes, measuring [Tapestries (see "Upholstering fabrics") [Tapioca	-		1
rar, coar, crude	gal.	36, 100, 424 2, 629, 878	4,818,379
Car, refined	_	2,029,010	575,023 379,270
rea, blended, etc	lb.	43, 491, 164	50, 215, 350
relecommunication equipment, n.e.s.	-	-	9, 430, 480 88, 702, 482
Telephone material		***	59, 034, 138
Television picture tubes	No.	642, 437	12,076,539
Cennis, table, equipment, n.e.s.	-	-	77, 191 5, 725
Tenoners, woodworking	-		3, 947, 288
Textile and leather finishes	_	-	4, 241, 948
Phermometers, all kinds	No.	539,378	1, 396, 517
Thinners, pyroxylin Thread, cotton	gal.	2, 883, 717	4,356,922 10,720,309
Thread, rayon, silk, etc.	_		2,937,944
Threshers (combine reaper-threshers and attachements)	-	-	41, 585, 072
Threshers (stationary)	_	_	208,549 6,873,344
File, acoustic	sq. ft.	33, 432, 376	3, 517, 976
File, asphalt	44 66	13,816,698	1,582,326
File, gypsum File, hardwood,floor	sq. ft.	6,060,000	1,338,690
File, haydite (included under "Building blocks, etc")	54. 10.	0,000,000	1,000,000
File, linoleum	- 41		1 040 500
File, plastic, all kinds	sq. ft.	11,652,405 67,224,620	3,948,580 12,974,592
File from domestic clay:		01,221,020	12,011,002
Drain	M	62, 235	3,807,134
Floor	sq. ft.	178,661	85,035
Floor	46	7, 181, 750	3,090,933
Wall	64	0 100 400	1 007 000
File, rubber Lile, hollow blocks including fire-proofing and load-bearing tile	sq. ft.	6, 168, 462 158, 885	1,867,288 3,165,414
File, not specified	-		1,087,861
Tile board, enamelled		-,-	
Fin	Ib.	87, 214	94,426
Finned plate scrap	ton	33, 137	540, 154
Tinware, japanned or not	-	-	2, 559, 703
Tire braids, auto	lb.	22,994,762	20, 723, 593
Cires and tubes:	10.	22,001,102	20,120,000
Tires, pneumatic (including tubeless):		0.001.005	04 400 040
Passenger car Truck and bus	No.	6,991,905 904,901	84, 126, 310 55, 108, 803
Aeroplane	_	501, 501	1
Tractor and implement	_	-	1
Bicycle, motorcycle, industrial, etc., n.e.s.	No.	371,174	737,878 306,163
Fires, solid and cushion	1b.	37,899 1,040,361	189,472
Tubes, passenger car, trucks etc.:			
Passenger car	No.	2,626,666	4, 336, 882
Truck and bus		701, 185	3, 186, 069
Tractor and implement			1
Motorcycle, bicycle, etc.			

Items	Unit of measure	Quantity	Value of factory shipments
			8
Cires, railway car	lb.	58, 400, 248	14 400 000
Coasters, electric	No.	272, 923	14,426,250 2,601,896
Chewing, twist	~	_	i
Chewing, plug Smoking, leaf		***	1
Smoking, cut	1b.	21,890,983	58, 890, 496
Smoking, plug Snuff	_	-	1
Obacco, raw leaf, processed* Obacco, curing equipment	lb.	161, 190, 523	116, 525, 646
obacco, stems and cutting soid	_	_	1
obacco pouches obacco pouches	No.	38, 266	13,600
oilet preparations:	_	-	959,50
Bath salts and bath oils Creams, solid or liquid, all kinds	600	000	1,681,82
nome permanent wave kits	-		4,660,169 2,748,089
Rouge and lipsticks	_	_	4,493,54 6,474,52
Bay rum, hair tonics, brilliantine liquid, etc.	-	-	13, 599, 44
Toilet water and lotions	_		7,540,909 2,097,47
All other, n.e.s	-		11,606,83
oiletware, sterling silver	_	_	2.017.51
oiletware, dresserware, n.e.s. oluene and toluol*	-	-	1 000 50
omato catsup	lb.	48,089,208	2,026,76 10,403,92
omato juiceomato paste and puree	44	174, 781, 069	14,627,36
ools, automotive (hand and power-driven)	_	3,352,388	361,24 2,478,71
ools, hand, n.e.s. (power-driven)ools, carpenters and mechanics, other than portable pneumatic and electric tools	-	-	1,790,62
ools, small cutting	_	_	5,561,12 4,464,53
ools, machine, n.e.s.	_	_	2, 919, 55 2, 378, 18
oothpicks	-	_	1
oppings for ice cream and cakeowelling (included in "Cotton fabrics, broad woven")	-	-	1,394,86
'owles, all kinds	-	-	6,864,25
owels paper	-	-	6,593,03
Metal	-	-	1,256,20 8,946,12
Rubber	=		236, 16
Wooden	_	_	867,88 4,401,43
ractors	-	-	15,921.71
rade work, n.e.s. (printing plant)	-	ara .	22,253,33
Boats			1.364.57
Cabin or house type		_	9, 275, 46 19, 128, 14
Logging	_		1,488,61 768,72
ransfers, paper, decalcomania		=	2,474,58
r ansformers	_	_	63,555,66 1,592,60
ransplanters	-	-	1,000,00
ransmission towers, electric (see "Steel erected") raps and fittings	_	_	1.825.48
raps animals		-	_
rays, foodrays, other	_	_	1,631,91 550,87
richlorethylene, refined	_	_	1, 407, 00
rimmings, not specified	-	=	1, 296, 36
roughs, water and other	-	-	8, 168, 23
rucks, farm rucks, other n.s.	-	-	1
rucks, other n.s	No.	150. 153	1, 249, 23
ubes, collapsible	-	-	3, 249, 43
ubes, mailingubes, n.e.s. including electron	No.	86,676	490,96 2,400,80
ubing and pipe (see "Pipe and tubing, aluminum")			
ubing, plastic (included with "Hose and flexible tubing") ubing, rubber	_		525.75
ubing, steel (included with "Pipe and tubing, steel") ubing and wristing, knitted			1,063.51
ubing and wristing, knittedubs, laundry, cement and plastic	No.	50, 610	577,56
urbines and water wheels	gal.	465,538	165,26
wine and cordage:			
Baler twine, all sisal	lb.	43, 241, 373 12, 807, 187	6,411,760 1,981,78
Binder twine, all sisal	4.6	4, 274, 039	1, 083, 81

Alphabetical List of Commodities, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Twine and cordage - Concluded: Other twine, all hemp and all flax		_	1
Other twine, all jute	_	_	1
Other twine and cordage, not specified	-	-	4,740,045
Type and type metal	lb _e	10,620,629	2, 652, 224
Typesetting (trade composition)	No.	85,704	546,063 13,292,822
Typewriter and other machine ribbons	-	00,101	1, 994, 725
Umbrellas	doz.	29,878	883,516
Underwear, knitted, or of knitted fabrics: Men's and youths':			
Combinations: Cotton or chiefly cotton	'44	141, 167	9 490 101
Wool or chiefly wool	1	i i	3,430,181
Other]	17, 882	926, 793
Shirts: Cotton or chiefly cotton	* 44	500.010	4 000 044
Wool or chiefly wool	1	533, 916	4,282,541
Other	1}	25,847	509,975
Drawers:			
Cotton or chiefly cotton	1.	267, 381	3,268,349
Other	} "	8,642	258,092
Shorts:	1'		
Cotton or chiefly cotton	44	627,402	4,216,531
Other		14,475	178,744
Combinations:			
Cotton or chiefly cotton	1 "	39,830	620 550
Wool or chiefly wool	5	39,030	620, 559
Cotton or chiefly cotton	12		
Other	}	144, 263	683, 215
Drawers:	1		
Cotton or chiefly cotton Not specified	} "	97,855	721,944
Shorts:	17		
Cotton or chiefly cotton) 44	207 140	070 007
Not specified		207, 148	879,967
Women's and misses': Combinations:			
All kinds	44	5,225	74, 784
Drawers:		0,220	7., 10.
All kinds	**	11, 455	196, 202
Bloomers, panties, etc.: Cotton or chiefly cotton	46	339, 585	1 650 367
Nylon or chiefly nylon	68	435, 518	1,659,267 3,051,704
Rayon or chiefly rayon	44	1, 152, 054	4, 488, 127
Not specifiedVests:	66	16, 467	191, 820
Cotton or chiefly cotton	46	91, 486	533,864
Other	44	11, 346	110, 130
Girls:			,
Bloomers, panties, etc.: Cotton or chiefly cotton	44	110 517	4774 444
Nylon or chiefly nylon	7	119,517	474, 444
Rayon or chiefly rayon	44	41,001	180, 106
Not specifiedVests:]		
Cotton or chiefly cotton	3		
Not specified	} "	55,474	246, 428
Children's and infants':			
Combinations: All kinds	44	10.010	151 000
Drawers, bloomers and panties;		18, 016	151, 083
Cotton or chiefly cotton	44	637,607	1,711,661
Nylon or chiefly nylon	- 46	14,457	44,329
Rayon or chiefly rayon Not specified	40	341,870	990, 841
Vests:		15, 868	129,918
Cotton or chiefly cotton	44	289,883	1,146,806
Not specified	-	~	1
Men's, youths' and boys':			
Shorts:			
Cotton	doz.	145,372	1, 192, 102
Other	-	-	
Bloomers, panties, etc.:			
Cotton or chiefly cotton	-	_	1
OtherChildren's:	doz.	108, 799	520,672
Bloomers, panties, etc.:			
Rayon or chiefly rayon	44	16, 151	64, 110
Other			1
Underwear, not specified	-		348, 154
Underwear, not specified			
Underslips: Rayon and rayon mixture Cotton	doz.	273,626	3,681,306

Items	Unit of measure	Quantity	Value of factory shipments
inderslips — Concluded:			\$
Nylon	doz.	373,077	8, 227, 103
Not specified	**	88,676	1,903,30
niforms, military (see "Pants" and "Suits")	_	. many	3, 916, 19
niforms, other (see also "Pants, uniform" and "Suits, uniform")		-	605,579
alves brass and bronze	_	= = =	2,280,925 6,326,085
alves, control (included in "Regulators, temperature, etc.")			
a) ves, iron	_	_	1,603,770 8,177,656
alves, steelalves, tire		_	5, 898, 96
alves, not specified		-	2,257,39
arnishes		_	9,456,11
aults, burial, cement and otheregetables canned:	No.	16,067	943,960
Āsparagus	lb.	5,214,559	1,773,720
Beans, baked	66	109,884,151 52,680,245	14,545,42 6,477,81
Beans, kidney	**	4,560,038	539,033
Beans, lima Beets	64	1,800,282 12,971,848	265,703 1,444,79
Carrots	91	6,345,534	556,510
Corn, cream of whole grain, etc.	44	6,345,534 6,918,188 80,877,338	1,033,043 11,833,650
Mushrooms	66	5,825,958	2,859,08
Peas Potatoes	**	106,648,317 4,398,213	13,885,78 467,51
Pumpkin and squash	"	9,422,651	733,59
Sauerkraut	_	_	1
Tomatoes	lb.	107,326,649 9,810,301	10,708,00
Vegetables, other	"	8, 343, 681	1,159,50 1,037,21
egetables, evaporated and dehydrated	_	_	1
egetables, in brineegetables, frozen or cold pack	lb.	73,899,786	12,094,22
egetables, in SO ₂ egetable juices, canned	_		1
egetable peelers and slicers	_	-	1
ehicles, children's: Tricycles	No.	176,078	1,611,12
Other	_	-	1,103,35
ehicles, farm sleighs, wagons, trucks, etc. (see also "Sleighs")ehicles, track	_		482,98
eils and veiling	- W 0	1 125 070	61, 13
eneereneer logs	M sq. ft. M ft. b. m.	1,135,078 1 2,986	24, 937, 81; 413, 75;
entilating, exhaust and dust collecting equipment	1000	_	857,52 4,285,89
entilators	cu. ft.	6,594,652	1,813,89
estments ests, woollen (outerwear)	doz. No.	2,709 15,167	906,777 96,45
ests. other (outerwear)	4.6	81,833	173, 27
inegar made for own use	Imp. gal.	572,158	
Spirit	gal.	11,941,585	4, 147, 58
Cider Malt	11	783, 103 226, 314	479,31 174,20
invl chloride monomer	-	Ann	1
itamin preparations	_		19, 254, 11
affle irons	No.	44,736	488,76
'agons (see "Venicles, fam sleigns, wagons and wicks") 'all hoard, ashestos cement, gypsum, and paper (see "Building boards")			
all board, asbestos cement, gypsum, and paper (see "Building boards") all covering, other than tile	sq. ft.	310,500 238,566	76,29 5,360,25
all plaster, gypsum	lb.	238,566 15,697,517	1,372,54
ordrohog wall hoard and wooden	No.	121,878	518,52
ash boards ashers, leather	doz.	66,358	204,85
ashers, metal, etc	destr.	_	1,483,46 2,096,10
aste, cotton and wool	lb.	61, 431, 196	2,096,10 7,196,97 387,15
aste, wood	_		5,096,53
stohac accambled	_	Prints	11,008,04 1,658,01
atch cases, watch bracelets, etc.	gal.	106,464	34.60
	6.6	410,619	121,88
ater, soda	_	-	121,88 11,16 562,07
	-	-	*
/ax, floor (see "Polishes and waxes")	_	_	5,487,27
vax sealing	-	-	99,53

Alphabetical List of Commodities, 1960 - Continued

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Veatherstrip	-	-	1,880,8
Veaving, custom		_	1, 648, 1 2, 470, 2
Webbing and tapes, other	_	eter .	2,044,7
Veeders	No.	4,980	1,417,1
Veed killer	_	_	5, 133, 3 3, 795, 8
Velding apparatus, gas and other	-		1, 359, 3
Velding electrodes	ton	19, 490	7, 342, 03 316, 1
elting materials n.e.ss.		_	1 024 0
/heelbarrows	_	***	916, 3
heels, automobile		_	15, 802, 3
heels, railway car			20,002,0
MSKS	doz.	33, 185	129,0
indows: Aluminum		_	11, 453, 0
Hermetically sealed			5, 851, 0
Screen and storm aluminum	_	min	15,847,0
Steel	, -	man.	5,650,0
ine cocktailsine sold during the year	gal.	6,767,923	17, 291, 2
ine produced and placed in storage for maturing	100	8,092,628	5, 405, 4
ine spirits	-	-	
iping cloths and rags, washed and sterilizediping cloths and rags, other			2,944,7 1,597,3
ire, gold filled and alloys	_	_	1,001,0
ire, steel:			
Barbed; Quantity made	ton	2,916	
Quantity shipped	14	2,971	550,0
Cold rolled flat, all sizes:			
Quantity shipped		2,868	1,072,0
Quantity made	44	52,706	
Quantity shipped	44	39,960	9, 239, 2
Plain:	44	301, 140	
Quantity madeQuantity shipped	- 4	156, 854	30, 431, 7
Strand, twisted:			
Quantity shipped	66	6, 263	2, 239, 5
Other, coated, etc.: Quantity shipped		4, 236	1,334,5
ire and cable, electrical	_	-	149.795.5
ire rope and cable, n.e.s. ire cloth, all metals, including screen cloth	-	-	17,870,3
ire mesh, steel, woven or welded	ton	39, 270	16, 192, 2 8, 100, 3
ire netting	-	-	1
ire and wire goods, n.e.s	-	-	13,659,3
iring devices, n.e.s.	_		11,660,3 3,933,9
ood flour	ton	8,589	220 :
ood ruel	_		1
oodenware kitchen, n.e.s.	_		36, 3
ood preservation	_	_	597,
ood preservatives	-		960,
ood turning, n.s.	-	-	2, 312,
oodwork, sanitary			1
ool, mineral, (building)	_	444	9,687,
odwork n.e.s. ool, mineral, (building) ool, mineral, (industrial)	-	1 010 000	6,954,0
ou pulled	1b.	1,316,606	983,
ool noils ool or part wool, reworked or reprocessed	1b.	7,735,849	1,781,
oolen cloth, woven:			
Suitings, dress goods, overcoating etc.: All wool, woollen	en vd	10,589,618	13, 405, 5
All wool, worsted	sq. yd.	9, 128, 666	18. 008. 9
All wool, worsted Woollen and worsted, mixed	1 "	383, 017	509,3
Cotton warp, woollen and worsted	5 44	12, 317, 350	13, 521, 9
Other woollen and mixtures	44	2,967,805	2, 525, 5
appers, waxed (see "Paper waxed")			
appers, paper, other than waxed (see also "Boxes, paper corrugated")	-	-	2,059,1
appers, printedingers, clothes	_	_	5, 256, 4
anthates	_	-	1
y101	-	400	1, 354, 7
arns, spun for sale: Cotton:			
Grey, knitting	lb.	13,924,785	10,539,7
Grey, other, singles	44	11,980,787	7,697,0 9,101,7
Grey, owier, pired	. "	13, 939, 418	
Bleached, knitting Bleached, other	1	805, 887	799, 2
Coloured, knitting	1	9 900 905	9 991 6
Coloured other	}	3,327,375	3, 321, 2
Other, including mercerized	1	2,529,936	1,706,3

Items	Unit of measure	Quantity	Value of factory shipments
			\$
Yarns, spun for sale—Concluded: Cotton and wool mixed:			
Grey	1 "	101,649	116,62
Bleached and coloured Rayon and nylon thrown	5	3, 214, 423	9, 426, 56
Rayon and nylon thrown. Rubber covered (included in "Yarns not specified") Synthetic singles			9,420,00
Spun rayon and mixtures	lb.	60,608,396	66, 984, 48
Synthetic yarns, other	# LU ₀	6, 044, 825 6, 358, 045	4, 484, 11 11, 842, 03
Woollen; Hand knitting	44	384, 060	F7.4.0 OF
Machine knitting	44	3, 533, 106	749, 87 5, 464, 09
Weaving Carpet	44	204, 223 2, 617, 562	286, 38 3, 067, 88
woollen and woollen mixtures	**	1, 386, 311	2, 349, 21
Worsted, oil spun: Hand knitting	66	1, 442, 147	5, 116, 00
Machine knitting	66	2,985,262	6, 555, 75
Weaving Carpet		154, 834	284, 33
Worsted, dry spun:	114	4 200 000	
Knitting	lb.	1,632,025	3, 900, 16 3, 775, 3
'east, dry, bakers'	****	MACO	1
east, dry, brewers'east, fresh (for sale)	_	_	1
east, made for own use in breweries	lb.	1,359,762	080 0
east food, bread improver	gal.	8,770,580 136,579	979,30 386,0
linc, refined, zinc alloys, etc.	lb.	10, 429, 920	1,652,87
linc chloride	_	_	1
fanufactured food products, packaged only		_	2, 802, 2
Amount received by Clothing contractors Amount received for rental of machinery and signs	_	_	24, 817, 62
imount received for rental of machinery and signs		_	15, 105, 48 6, 840, 61
nter-company transfers		_	0,040,0
Food and beverage industries Tobacco products industries	-	-	28,681,47
Rubber industries	_	_	1, 354, 17
Leather industries Textiles industries	_	_	2, 225, 23 5, 477, 03
Knitting muis	_	_	67, 98 2, 557, 53
Clothing industries	_	_	2, 557, 53 2, 722, 83
Furniture and fixture industries	-	-	3,482,02
Paper and alliead industries Printing, publishing and allied industries	_	_	4,806,73 3,639,63
Primary metal industries	-	-	15, 265, 80 108, 224, 29
Metal fabricating (except machinery and transportation equipment industries)	_ !		37, 353, 59
Transportation equipment industries	_		187,824,65
Electrical products industries	_	_	58, 2 5 9, 34
Petroleum and coal products industries Chemical and chemical products industries	-		2, 472, 43
Miscellaneous manufacturing industries	_	_	43, 690, 70 5, 903, 2
Custom work and repairs:		1	
Food and beverage industries Tobacco products industries	_	_	12, 954, 5
Rubber industries	-	-	3,906,10
Leather industries Textile industries	_	=	925, 19 8, 021, 28
Knitting mills	-	-	145, 84 3, 391, 54
Clothing industries Wood industries		=	5, 902, 22
Furniture and fixtures industries	_	wido:	16, 621, 41 6, 703, 83
Paper and allied industries	_	=	345, 29
Primary metal industries	_		2,830,87 8 7,58 2,63
Machinery industries (except electrical machinery)	_	_	17, 212, 82
Transportation equipment industries			92, 021, 2 8, 190, 29
Electrical products industries			1, 259, 60
Petroleum and coal products industries	_	_	1,940,07
Chemical and chemical products industries Miscellaneous manufacturing industries	-	-	21, 703, 70
roducts which were reported by only one or two firms and for which figures cannot be shown separately (these products are indicated by reference mark!)	-	-	804, 603, 35
Total value of items listed			24, 505, 187, 25
Adjustments due to valuation of intermediate products, excise taxes, etc	_	-	757, 730, 17
Total			23,747,457,08
			AJ, 121, 201, U

 $^{^{\}rm 1}$ Indicates that the commodity was reported by one or two concerns. $^{\rm 2}$ Includes excise duties and sales tax.



APPENDIX III

DOMINION BUREAU OF STATISTICS
OTTAWA - CANADA

Industry and Merchandising Division

ANNUAL CENSUS OF INDUSTRY

If this establishment did not operate at all during the year, was closed down for part of the year, or changed ownership, please refer to General Instruction (b)

GENERAL SCHEDULE

1960

The Census of Industry is authorized by the Statistics Act, Chap. 257, Revised Statutes of Canada, 1952, which makes the filing of returns by every manufacturer compulsory. Twerty-one doys are allowed for the completion and submission of the report, Completed reports and correspondence concerning their completion should be addressed to the

INDUSTRY AND MERCHANDISING DIVISION
DOMINION BUREAU OF STATISTICS
OTTAWA

The report is Confidential and cannot be used for purposes of taxation, investigation or regulation without your permission.

Industry totals compiled from manufacturers' reports will be published in industry bulietins as soon as possible after all reports are received. Your co-operation in returning your report(s) promptly will expedite the publication of this information.

GENERAL INSTRUCTIONS

- (a) A separate report must be prepared for each manufacturing establishment operated by a firm.
- (b) A report should cover a full year's operations, except when the establishment was operated for less than a year. A part-year report is required of an owner who went out of business during the year, either through closing down or sale. A purchaser should report from the date of purchase to the end of the calendar year. If no operations at all were carried on during the year, kindly check here and return the form after completing, if applicable, Section 4, Change of Ownership or Status.
- (c) All manufacturing, processing and assembling operations at this plant should be included, unless reported in other Census of Industry returns.
- (d) This report should cover your manufacturing plant only, except where shipments are made of goods held on plant account from a warehouse or selling outlet in physical conjunction or close proximity to the plant (same town or city). In such a case include the shipments, employment and inventory of warehouse or selling outlet. Exclude these items for all other warehouses or sales outlets.
- (e) A head, executive or administrative office, should be reported as a part of this establishment provided it has the same address or is located in the same city or in the same municipality. If there are two or more establishments in this city or municipality, the head office employees and their earnings are to be included with one of them only. If these establishments are engaged in different industries, the head office employees should be included with the industry representing the major activity of your firm. A head office or administrative office not so located is required to file a separate report for employment and payroll at such offices.
- (f) Check for completeness, accuracy and consistency. Your report will be reviewed for completeness and accuracy and in order to avoid future correspondence it is suggested that you (1) look for omissions, (2) check for reasonableness of average salaries, average wages, ratios of value of factory shipments to material costs, payroll, etc., and (3) compare total cost of materials, payroll, tuel and electricity with value of factory shipments for reasonableness. In most cases a reasonable margin for overhead and profit should be indicated.

	The state of the s
DESCRIPTIVE INFORMATION	OF THE ESTABLISHMENT
1. ACTUAL PHYSICAL LOCATION	
Street and number	
City, town or village	
County or Census Division	
Province	
Is this establishment within the act	
aries of the city, town or village give	ren above? Yes No
If the answer is No, kindly give bel such as parish or township in the E- meridian in the West.	ow an indication of its location, ast; division or township, range,
2A. NATURE OF TRADE OR BUSIN	ESS: (describe briefly)
	,
B. NAME UNDER WHICH THIS ESTABLE	SHMENT CARRIED ON BUSINESS
3. TYPE OF ORGANIZATION: (check	one)
Individual	Incorporated Company
Partnership	☐ Incorporated Co-operative
	Unincorporated Co-operative
4. CHANGE OF OWNERSHIP OR ST applicable) See also General Instruc	ATUS: (Complete a, b or c, if tion (b)
(a) Business sold by you on	(date)
То	ress of present owner
(b) Went out of business on (no new	
(c) Business Purchased by you on	
From	
5. HEAD, EXECUTIVE OR ADMINIST [see General Instruction (e),]	TRATIVE OFFICE:
Does this establishment have a	
Separate head or executive office?	☐ Yes ☐ No
Separate administrative office?	Yes No
If yes, give name and address of sar	ne.
Name	
Address	
I hereby certify that the information g complete and correct to the best of my	iven in this report is substantially knowledge and belief.
Signature of person making this report	
Official position	Date
Business address of signer	
Period covered by this report From	19 To 19

Long Form All EMPIA III	Continued		
6. INVENTORY:		INVENTORY I COVERED BY	FOR PERIOD
MANUFACTURING INVENTORY			Closing
Book value of all manufacturing inventory owned and held at this pla tories at any warehouse or selling outlet which have been included tions for purposes of reporting shipments. See General Instruction (d),	with plant opera-	Opening \$	\$
(i) RAW MATERIALS AND SUPPLIES			
(ii) GOODS IN PROCESS			
(iii) FINISHED GOODS of own manufacture			
(iv) TOTAL MANUFACTURING INVENTORY AT PLANT			
2. Book value of other manufacturing inventory owned but not held at twarehouse:			
(i) RAW MATERIALS AND SUPPLIES in transit in Canada, held held in own or tented warehouses. (Do not include raw materia abroad which have not yet cleared customs)	ls in transit from		
(ii) FINISHED GOODS of own manufacture in transit or on consignation of clude finished goods in transit destined for export and for "Customs Canada, Export Entry" has been prepared)	ment. (Do not in- which Form B 13		
B. GOODS PURCHASED FOR RE-SALE Book value of all goods purchased for re-sale without further processi and held at plant or plant warehouse, in transit in Canada, or out on con	ng, owned by you signment		
C. OTHER INVENTORY Do you own any inventory not defined above, i.e. in storage or distributed above, i.e. in storage or distributed above, i.e. in storage or distributed by you)?	legal incorporation	but owned or controlled	☐Yes ☐ No
			\$
7. UNFILLED ORDERS: 1. Do you normally have a backlog of unfilled orders at the end of each month (i.e. unshipped orders, regardless of work altready done on them, and of stock from which they	tate amount of such	backlog at Dec. 31, 1960 te NIL, if applicable)	
work already done on them, and of stock from which they can be filled) apart from amounts due to normal shipping time-lag?		ny, represented by bind-	
Yes No			
MATERIALS AND SUPPLIES USED: Give the quantity and laid-down valuering the year, whether purchased from others or received as transfers CHASED. Show also amounts paid to other manufacturers for work done on any other items chargeable to capital account. Do not include FUEL which or received as transfers from other plants of your company for re-sale viscotion F below.	from other plants of materials owned by is to be reported un	of your company. Report ma this plant. Do not include der section 13, page 5, or	returnable containers or goods bought from others
Materials and supplies used (List main items below)	Unit of measure	Quantity	Total cost at plant (Omit cents)
A. Materials			3
1			
2			
3,			
5.			
6			
7			
9			
10,			
 All other moterials, including chemicals and other agents which while not necessarily, considered to be materials proper, must be directly associated with the materials at some stage of processing. 			
(specify large items separately)			
••••			
B. Containers and Other Packaging Materials or Supplies			
C. Operating Supplies, Maintenance Supplies and Repair Supplies, not litems of equipment, used in the operation, maintenance and repair of Capital Account. Do not duplicate items entered elsewhere above)	machinery and bui	dings, not chargeable to	
D. Amount Paid Out to Others for Work Done on Materials Owned by This P			
TOTAL			
SUPPLEMENTARY E. OFFICE SUPPLIES - Give the cost of OFFICE SUPPLIES USED during Exclude cost of stamps and meter expenses	the year, not charge	eable to Capital Account.	
F. MATERIALS OR PRODUCTS PURCHASED FROM OTHERS OR RECEIV OF YOUR COMPANY AND RESOLD WITHOUT FURTHER PROCESSIN	ED AS TRANSFER	FROM OTHER PLANTS	
The state of the s			

9. FACTORY SHIPMENTS: Include in Section A goods manufactured from own materials, either at this plant, or by other manufacturers on the basis of a charge to this plant for work done. Give the quantity, when required, and the selling value at the plant, mill, factory, etc., of ALL PRODUCTS or BY-PRODUCTS of own manufacture shipped during the year from this plant as defined in General Instruction (d), page 1. Include all shipments (domestic, export or to government departments), as well as the value of containers when not returnable. Transfer shipments to sales outlets, distributing watehouses, or to other manufacturing units of your own firm must be included, and should be valued according to the most appropriate of the following methods: (a) value for purpose of sales tax, (b) value an independent wholesaler would be charged and (c) book value. (Goods bought or received as transfers and resold without further processing are to be reported in Section B below.) Do not include sales tox or excise duries. For work done on moteriols owned by others, show only amount received in payment. NOTE FOR MULTIPLE UNIT FIRMS ONLY: Each plant is to betreated as an independent unit and, therefore, as having ownership of the materials used in the manufacturing or processing operations of the plant.

PRODUCTS SHIPPED All products manufactured in this plant from materials owned by you which te not listed below, and which have not been included in another Census of dustry report made by your company, should be detailed in the space provided under "All other products".)	Unit of measure	Quantity shipped	f.o.b. Do not inc	shipments plant lude sales ise duties cents)
A. FACTORY SHIPMENTS OF GOODS OF OWN MANUFACTURE:				
1				
2				
3				
4				
5				
6				
7				
8,				
9,				
10.				
11.				
12				
13				
14				
15. All other products (specify large items separately)				
16. Amount received in payment for work done on materials owned by or				
•				
B. FACTORY SHIPMENTS OF GOODS NOT OF OWN MANUFACTURE: Recounts, returns, and allowances) OF ALL SHIPMENTS OF PURCHASIFERED FROM OTHER PLANTS OF YOUR COMPANY OR MATER. CESSING AT THIS PLANT, if any. This refers to the materials and pro-	ED PRODUCTS OR	OF PRODUCTS TRANS-		
C. If goods were shipped to other units of your own firm (sales outlets, di units) please reply to the following questions:				
Are transfers recorded in your books at a level approximating a price If the answer is NO, did you estimate, for purposes of this report, the	e value of transfers	at a level approximating	Yes	□ No
that which a comparable independent buyer would be charged?			Yes	□ No
4. If you records did not permit you to report values and/or quantities outlets or distributing warehouses, at what level did you report quant	of transfers from thi	s establishment to sales		

10. ANALYSIS OF PAYROLL OF THIS ESTABLI CALENDAR YEAR 1960: (See General Instru re head office empl	ction (e), page 1	Salaries, wages commissions, e paid during calendar year	tc.	Al and A2 only; cl	mber employed for items he average for item A3 out at the Bureau
Are head, executive or administrative office employees included below?	. Yes No	1960*		le Female	Total
A. MANUFACTURING OPERATIONS ONLY -		1	N	o. No.	No.
 Working owners or purtners (unincorporated (Report all withdrawals during the year expenses for self and family. Do not includ payment of income tax.) 	l companies only) for normal living e withdrawals for				
2. Administrative and office employees					
(Include all executive and supervisory of presidents, vice-presidents, secretaries, together with managers, professional emptendents and factory supervisors above the level, and their clesical staffs.)	fficials, such as treasurers, etc., plovees. superin-			For offic	ce use only
 Production and related workers (Total payments to the employees shown below; the numbers of these employees Section 11 only.) Outside piece-workers slunder B3 below. 	to be reported in				
B. OTHER OPERATIONS AT THIS ESTABLIS	HMENT _				
1. Retail and wholesale (including travelling					
2. New construction					gs, which should include of room and board where
3. Outside piece-workers			prov	vided, deductions fro	om employees for income ices, such as sickness,
4. All other (please specify nature of work do			acc	ident, insurance, pe other allowances fo	ensions, etc., as well as orming part of the employ- yments for overtime).
			ces	wages (include pa)	yments for overtime,
Total payroll of this establishment	***************************************				
C. NUMBER EMPLOYED during the last pay per wages for the calendar year are reported in Se	iod in May, 1960, 1	for all those employed d) above	ees whose sala	aries and Number	
11. NUMBER OF PRODUCTION AND RELATED	WORKERS RE-	Month		Male	Female
CEIVING PAY DURING THE LAST PAY PER MONTH:	NOD OF EACH	_		No.	No.
Report only the number of employees who are	engaged in the	January, 1960			
manufacturing end of your business, whether p weekly, hourly, or piece-work basis, and whose w in Section 10A3 above. Include all factory works	aid on monthly,	February, 1960			
under 10 A 1 or A2 above.		March, 1960			
(Include working foremen doing similar work to ees they supervise; also maintenance, warehousi staffs, etc.)	that of employ- ing and delivery	April, 1960			
Do not include in this section employees who	se earnings have	May, 1960			
been reported in Sections 10A1, 2 and 10B1, 2, 3	and 4 above.	June, 1960			
		July, 1960			
		August, 1960			
		September, 1960 _			
		October, 1960			
		November, 1960			
		December, 1960			
12. MAN-HOURS OF ALL PRODUCTION AND RELA ARE REPORTED IN SECTION 11:	TED WORKERS W	HOSE PAYROLL IS	REPORTED	IN SECTION TOA	3 AND WHOSE NUMBERS
A. Did any of these workers receive any pay for of absence (such as paid vacations or sick le	periods	Yes	□ No		
	JanMar.	AprJune	July-Sept.	OctDec.	Total for
	1960	1960	1960	1960	year - 1960
B. Total man-hours ACTUALLY WORKED by all production and related workers during each quarter, (in reporting overtime, include only hours actually worked)					The state of the s
C. Total man-hours NOT WORKED, but never- theless paid for, of all production and re- lated workers (e.g. paid vacations, sick leave, etc.)					
D. TOTAL man-hours paid (Sum of B plus C)					
E. Please check for reasonableness by calculation	ng average hourly	earnings:			
(Section 10A3 divided by Section 12D)				(\$ per hour)	

13. FUEL AND ELECTRICITY USED DURING THE YEAR:
(State cost in each case as laid down at the works, including freight, duty, etc. Do not consider fuel purchased as representing fuel used unless the quantities are the same.)

Kind	Unit of measure	Quantity	Cost at plant (Omit cents)				
1. Bituminous coal (a) From Canadian mines (b) Imported 2. Sub-bituminous coal (from Alberta mines only) 3. Anthracite coal 4. Lignite coal 5. Coke (for fuel only) 6. Gasoline (include gasoline used in cars and trucks) 7. Fuel oil including kerosene or coal oil (do not include lubricating oil) 8. Wood (cords of 128 cubic feet of piled wood) 9. Gas (a) Liquefied petroleum gases (propane, etc.) (b) Other manufactured gas (excluding oxygen and acetylene, which should be reported under Section 8C of Materials and Supplies Used, page 2.) (c) Natural gas	ton ton ton ton Imp. gal. Imp. gal. cord Imp. gal.		3				
10. Other fuel (state kind and quantity) 11. Electricity purchased (include service charge in cost) (a) For lighting and motors (b) For other purposes 12. Steam purchased TOTAL	pound						
13. TOTAL 14. ELECTRICITY GENERATED: (a) For own use							

DOMINION BUREAU OF STATISTICS OTTAWA, CANADA

Industry and Merchandising Division

ANNUAL CENSUS OF INDUSTRY

If this establishment did not operate at all during the year, was closed down for part of the year, or changed ownership, please refer to General Instruction (b).

Please correct any mistakes or changes in above Name or Mailing Address.

GENERAL SCHEDULE

1960

The Census of Industry is authorized by the Statistics Act, Chap. 257, Revised Statutes of Canada, 1952, which makes the filing of returns by every manufacturer compulsory. Twenty-one days are allowed for the completion and submission of this report. Completed reports and correspondence concerning their completion should be addressed to the

INDUSTRY AND MERCHANDISING DIVISION

DOMINION BUREAU OF STATISTICS
OTTAWA

The report is Confidential and cannot be used for purposes of taxation, investigation or regulation without your permission.

Industry totals compiled from manufacturers' reports will be published in industry bulletins as soon as possible after all reports are received. Your co-operation in returning your report(s) promptly will expedite the publication of this information.

GENERAL INSTRUCTIONS

- (a) A separate report must be prepared for each manufacturing establishment operated by a firm.
- (b) A report should cover a full year's operations, except when the establishment was operated for less than a year. A part-year report is required of an owner who went out of business during the year, either through closing down or sale. A purchaser should report from the date of purchase to the end of the calendar year. If no operations at all were carried on during the year, kindly check here and return the form after completing, if applicable, Section 4, Change of Ownership or Status.
- (c) All manufacturing, processing and assembling operations at this plant should be included, unless reported in other Census of Industry returns.
- (d) This report should cover your manufacturing plant only, except where shipments are made of goods held on plant account from a warehouse or selling outlet in physical conjunction or close proximity to the plant (same town or city). In such a case include the shipments, employment and inventory of warehouse or selling outlet. Exclude these items for all other warehouses or sales outlets.
- (e) A head, executive or administrative office should be reported as a part of this establishment provided it has the same address or is located in the same city or in the same municipality. If there are two or more establishments in this city or municipality, the head office employees and their earnings are to be included with one of them only. If these establishments are engaged in different industries, the head office employees should be included with the industry representing the major activity of your firm. A head office or administrative office not so located is required to file a separate report for employment and payroll at such offices.
- (f) Check for completeness, accuracy and consistency. Your report will be reviewed for completeness and accuracy and in order to avoid future correspondence it is suggested that you (1) look for omissions, (2) check for reasonableness of average salaries, average wages, ratios of value of factory shipments to material costs, payroll, etc., and (3) compare total cost of materials, payroll, fuel and electricity with value of factory shipments for reasonableness. In most cases a reasonable margin for overhead and profit should be indicated.

DESCRIPTIVE INFORMATION OF THE ESTABLISHMENT
1. ACTUAL PHYSICAL LOCATION OF THIS ESTABLISHMENT:
Street and number
City, town or village
County or Census Division
Province
Is this establishment within the actual legal boundaries of the city, town or village given above? Yes No
If the answer is No, kindly give below an indication of its location, such as parish or township in the East; division or township, range, meridian in the West.
2A. NATURE OF TRADE OR BUSINESS: (describe briefly)
B. NAME UNDER WHICH THIS ESTABLISHMENT CARRIED ON BUSINESS
3. TYPE OF ORGANIZATION: (check one)
Individual Incorporated Company
Partnership Incorporated Co-operative
Unincorporated Co-operative
4. CHANGE OF OWNERSHIP OR STATUS: (Complete a, b or c, if applicable). See also General Instruction (b).
(a) Business sold by you on (date)
To
(b) Went out of business on (no new owner) (date)
(c) Business purchased by you on
From
5. HEAD, EXECUTIVE OR ADMINISTRATIVE OFFICE:
[see General Instruction (e).]
Does this establishment have a
Separate head or executive office?
Separate administrative office? Yes No
If yes, give name and address of same.
Name
Address
I hereby certify that the information given in this report is substantially complete and correct to the best of my knowledge and belief.
Signature of person making this report
Official position Date
Business address of signer

Period covered

	=	· · · · · · .	
6. INVENTORY:		INVENTORY COVERED BY	
A. MANUFACTURING INVENTORY		Opening	Closing
Book value of all inventory OWNED in connection with your manufactur cluding goods in transit and on consignment, if applicable. Include i warehouse or selling outlet which has been included with plant operatio reporting shipments. See General Instruction (d), page 1.	ing operations, in- inventories at any ons for purposes of	\$	S
1. RAW MATERIALS AND SUPPLIES			
2. GOODS IN PROCESS		w 200	
3. FINISHED GOODS OF OWN MANUFACTURE			
4. TOTAL MANUFACTURING INVENTORY (A1 + A2 + A3)			
B. INVENTORY OF GOODS PURCHASED FOR RE-SALE Book value of all goods purchased for re-sale without further process and held at plant or plant warehouse, in transit in Canada, or out on con-	ing, owned by you signment		
7. UNFILLED ORDERS:			S
end of each month (i.e. unshipped orders, regardless of work already done on them, and of stock from which they can be filled) apart from amounts due to normal shipping 3. Of abov	te, if necessary. Sta	backlog at Dec. 31, 1960 te NIL, if applicable) any, represented by bind-	
8. MATERIALS AND SUPPLIES USED — Give the quantity and laid-down vaduring the year, whether purchased from others or received as transfers CHASED, Show also amounts paid to other manufacturers for work done on any other items chargeable to capital account. Do not include FUEL which or received as transfers from other plants of your company for re-sale was section D below.	from other plants of	f your company. Report ma	aterials USED, not PUR-
Materials and supplies used (List main items below)	Unit of measure	Quantity	Total cost at plant (Omit cents)
A. Materials			N .
1.		,	
2	·		
3	~		
4			
		- +	
5			
6			
7			
8			
9			
10.			
11. All other moterials, including operating, maintenance and repair supplies, not including fuel. Include items of equipment not chargeable to capital account, also include chemicals and other agents which while not necessarily considered to be materials proper, must be directly associated with the materials at some stage of processing. (specify large items separately)	1		
		· · · · · · ·	
S. Caratage and Other Book at the Australian Specifica			
8. Containers and Other Packaging Materials or Supplies			
C. Amount Paid Out to Others for Work Done on Materials Owned by This P	lant		
TOTAL			
SUPPLEMENTARY			

9. FACTORY SHIPMENTS: Include in Section A goods manufactured from own materials, either at this plant, or by other manufacturers on the basis of a charge to this plant for work done. Give the quantity, when required, and the selling value at the plant, mill, factory, etc., of ALL PRODUCTS or BY-PRODUCTS of own manufacture shipped during the year from this plant as defined in General Instruction (d), page 1. Include all shipments (domestic, export or to government departments), as well as the value of containers when not returnable. Transfer shipments to sales outlets, distributing warehouses, or to other manufacturing units of your own firm must be included, and should be valued according to the most appropriate of the following methods: (a) value for purpose of sales tax, (b) value an independent wholesaler would be charged and (c) book value. (Goods bought or received as transfers and resold without further processing are to be reported in Section B below.) Do not include soles tox or excise duties. For work done on moterials owned by others, show only amount received in payment. NOTE FOR MULTIPLE UNIT FIRMS ONLY: Each plant is to be treated as an independent unit and, therefore, as having ownership of the materials used in the manufacturing or processing operations of the plant.

PRODUCTS SHIPPED (All products manufactured in this plant from materials owned by you which are not listed below, and which have not been included in another Census of Industry report made by your company, should be detailed in the space provided under "All other products",)	Unit of measure	Quantity shipped	Value of shipments f.o.b. plant Do not include sales tax or excise duties (Omit cents)		
A. FACTORY SHIPMENTS OF GOODS OF OWN MANUFACTURE.			\$		
1.					
2.					
3,			1		
4,					
5					
6					
7.					
8					
9,					
10.					
11.					
12			l		
13.					
14					
15. All other products (specify large items separately)					
16. Amount received in payment for work done on materials owned by others					
17. Total value of shipments and work done					

B. FACTORY SHIPMENTS OF GOODS NOT OF OWN MANUFACTURE: Report the selling value f.o.b. plant (less discounts, returns, and allowances) OF ALL SHIPMENTS OF PURCHASED PRODUCTS OR OF PRODUCTS TRANSFERRED FROM OTHER PLANTS OF YOUR COMPANY OR MATERIALS RESOLD WITHOUT FURTHER PROCESSING AT THIS PLANT, if any. This refers to the materials and products reported in Section 8D, page 2..........

0. ANALYSIS OF PAYROLL OF THIS ESTABLISH CALENDAR YEAR 1960: (See General Instru re head office emp	ction (e), page 1	Salaries, wages and commissions, etc., paid during calendar year		Give the average number employed for item Al and 2 only; the averages for item A3 will be worked out at the Bureau		
Are head, executive or administrative office employees included below?	7v 0v-	1960* (Omit cent	1	Male	Female	Total
A. MANUFACTURING OPERATIONS ONLY -	Yes No	S	-/	No.	No.	No.
1. Working owners or partners (unincorporate	d companies only)					
(Report all withdrawals during the year expenses for self and family. Do not include payment of income tax.)	for normal living				-	
2. Administrative and office employees						
(Include all executive and supervisory of presidents, vice-presidents, secretaries, together with managers, professional emploents and factory supervisors above the level, and their clerical staffs.)	treasurers, etc.,				For office u	se only
3. Production and related workers (Total payments to the employees shown below; the numbers of these employees Section 11 only.) Outside piece-workers s under B3 below.	under Section II to be reported in			* t ti ta		
B. OTHER OPERATIONS AT THIS ESTABLIS	HMENT -					
1. Retail and wholesale (including travelling	salesmen)					
2. New construction				all bonu	ses, the value of	which should include room and board where
3. Outside piece-workers				tax and	for social service	employees for income s, such as sickness, ons, etc., as well as
4. All other (please specify nature of work do	ne):			any other		ng part of the employ-
				cco wag	es (merade payare	nto for overtime,
Total payroll for this establishment						
C. NUMBER EMPLOYED during the last pay pe wages for the calendar year are reported in S	riod in May, 1960, ection B (1, 2, 3 ar	for all those employed 4) above	oyees who	se salaries	and Number	
NUMBER OF PRODUCTION AND RELATED CEIVING PAY DURING THE LAST PAY PI MONTH SPECIFIED.	Y DURING THE LAST PAY PERIOD OF EACH				Male	Female
Report only the number of employees who as manufacturing end of your business, whether weekly, hourly, or piece-work basis, and whose in Section 10A3 above. Include all factory work under 10A1 or A2 above.	naid on monthly.	March, 1960			No.	No.
(Include working foremen doing similar wor ployees they supervise; also maintenance, war	tk to that of em-	June, 1960				
livery staffs, etc.) Do not include in this section employees who been reported in Section 10A1, 2 and 10B1, 2, 3	se earnings have	September, 1960. December, 1960.				
MAN-HOURS OF ALL PRODUCTION AND REL ARE REPORTED IN SECTION 11: A. Did any of these workers receive any pay for of absence (such as paid vacations or sick le	periods			RTED IN S	SECTION 10A3	AND WHOSE NUMBE
	Janmar. 1960	AprJune 1960	July-Se 1960		OctDec. 1960	Total for year - 1960
B. Total man-hours ACTUALLY WORKED by all production and related workers during each quarter, (in reporting overtime, include only hours actually worked)						
C. Total man-hours NOT WORKED, but neverthe- less paid for, of all production and related workers (e.g. paid vacations, statutory holi- days, sick leave, etc.)						
D. TOTAL, man-hours paid (Sum of B plus C)						
E. Please check for reasonableness by calculati (Section 10A3 divided by Section 12D)	ng average hourly	earnings:			(\$ per hour)	
FUEL AND ELECTRICITY USED DURING TH (State cost in each case as laid down at the wor the quantities are the same.)	IE YEAR:	ht, duty, etc. Do n	ot conside	er fuel purc	hased as represe	enting fuel used unle
						Cost at plant
				-		(Omit cents)
						\$
1. Total cost of fuel used (Include coal, coke, gr						
2. Cost of electricity purchased, including service	ce charges					
IDIA						

Yes

Do you generate electricity for sale or own use?

□ No

by this report From 19..... To

DOMINION BUREAU OF STATISTICS OTTAWA - CANADA

Industry and Merchandising Division

ANNUAL CENSUS OF INDUSTRY

GENERAL SCHEDULE

1960

If you did not operate at all during the year, please check here and return after completing, if applicable, Section 4, Change Of Ownership Or Status.

	Please correct any mistakes or changes in above	Name or Mailing Address
The Census of Industry is authorized by the Statistics Act, Chap. 257, Revised Statutes of Canada, 1952, which makes the filing of returns by every manufacturer compulsoy. Twenty-one days are allowed for the completion and submission of this report.	 FACTORY SHIPMENTS OR SALES of good receipts for repair and custom work. Do not re-sold in the same condition as purchased. 	s of own manufacture and include goods bought and
1. ACTUAL PHYSICAL LOCATION OF THIS ESTABLISHMENT: Street and number	Products Sold or Shipped	Value of Shipments or Sales Do not include sales tax or excise duties. (Omit cents)
		\$
City, town, village or P.O.		
County or Census Division	1	
Province	2	
Is this establishment within the actual legal boundaries of the city, town or village given above? Yes No	3	
If the answer is No, kindly give below an indication of its location, such as parish or township in the East; division or township, range,	4	
meridian in the West.	5	
	6	
2A. NATURE OF TRADE OR BUSINESS: (describe briefly)	7	
	8	
B. NAME UNDER WHICH THIS ESTABLISHMENT CARRIED ON BUSINESS	9	
	10.	
3. TYPE OF ORGANIZATION: (Check one)	10.	
Individual Incorporated Company	11	
Partnership Incorporated Co-operative	12	
Unincorporated Co-operative	12.	
4. CHANGE OF OWNERSHIP OR STATUS: [Complete (a), (b) or (c) if applicable.]	13	
	14	
(a) Business sold by you on (date)	15.	
To	***	
	16	
(b) Went out of business on (no new owner)(date)	17	
(c) Business purchased by you on (date)	18,	
From Name and address of previous owner	19. Other products (specify large amounts separately)	
I hereby certify that the information given in this report is substantially complete and correct to the best of my knowledge and belief.	- Community	
Signature of person making this report		
Official position Date		
Date:	20. Amount received for repair and custom	
Business address of signer	work	
Period covered	21 Total Value	







GENERAL REVIEW OF THE MANUFACTURING INDUSTRIES OF CANADA 1961

SPECIAL NOTICE TO USERS

The alphabetical list of products formerly included in this report is now published separately as "Products Shipped by Canadian Manufacturers' (Catalogue No. 31-211). For other changes in this report, see Part I, Section C.

DOMINION BUREAU OF STATISTICS

Industry Division



CATALOGUE No.

31-201

ANNUAL

Page 14:

Table 1, footnote 7, line 2:

Reads - "to the statistics."

Should read - to the statistics.

General Review of the Manufacturing Industries of Canada, 1961

ERRATA

```
Line 11, column headed "Industrial group and industry":

Reads - Opthalmic goods industry

Should read - Ophthalmic goods industry

Fage 82:

Table 11, unit of measure for last two columns headed "Change from 1960 to 1961":

Reads - per cent
```

Should read - "\$'000,000" for second last column, and "per cent" for last column.



DOMINION BUREAU OF STATISTICS Industry Division

GENERAL REVIEW OF THE MANUFACTURING INDUSTRIES OF CANADA

1961

Published by Authority of The Minister of Trade and Commerce



TABLE OF CONTENTS

PART I. INTRODUCTION	Page
Section A. Explanatory Notes	7
Section B. Changes in Classification and Concept	8
Section C. Changes in this Report:	
1. Re-arrangement of Contents	10
2. Additions	10
3. Transfers to Other Reports	10
4. Deletions	10
Section D. Other Sources of Data on the Manufacturing Industries of Canada	11
PART II. GROWTH OF MANUFACTURING INDUSTRIES	
Section A. General Review, 1961	12
Section B. Historical Statistics, 1917-61	13
Table	
1. Summary Statistics of Manufactures, 1917-61	13
2. Totals and Averages per Establishment and Employee for Principal Statistics, Selected Years, 1917-61	
3. Changes in Selected Principal Statistics of the Manufacturing Industries in Canada, by Province and Industrial Group, 1957 to 1961 and 1960 to 1961	
4. Indexes of the Volume of Manufacturing Production, 1919-61	
5. Indexes of the Volume of Non-durable Manufacturing Production, 1935-61	
6. Indexes of the Volume of Durable Manufacturing Production, 1935-61	18
7. Changes in Indexes of Volume of Manufacturing Production, Five-year Periods, 1946-61	
Section C. Principal Statistics of the Manufacturing Industries, 1957-61	
8. Principal Statistics of the Manufacturing Industries, by Province, 1957-61	
9. Principal Statistics of the Manufacturing Industries, by Industrial Group, 1957-61 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61	
201 1 morph by accounts of the maintaceuting industries, by industrial Group and industry, 1931 - 01	24
PART III. SELECTED FACTORS IN MANUFACTURING PRODUCTION	
Section A. Capital and Repair Expenditures	82
11. Capital Expenditures by the Manufacturing Industries, by Province, 1957-61	82
12. Comparison of Capital Expenditures with Value of Factory Shipments, 1952-61	83
13. Total Capital and Repair Expenditures by the Manufacturing Industries, 1944-60, and by Province and Industrial Group,	83
14. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Group and Industry, 1960 and 1961	84
Section B. Value of Manufacturing Inventory	88
15. Book Value of Manufacturing Inventory Owned in Canada, 1949-61	89
16. Book Value of Manufacturing Inventory Owned in Canada, by Industrial Group, 1961	89
Section C. Employment in the Manufacturing Industries	90
17. Production Workers Employed in the Manufacturing Industries, by Month and Sex, Selected Years, 1929-61	91
18. Production Workers Employed in the Manufacturing Industries, by Month, Sex and Province, 1961	92
19. Production Workers Employed in the Manufacturing Industries, by Month, Sex and Industrial Group, 1961	94
Section D. Salaries and Wages in the Manufacturing Industries	97
20. Annual Salaries and Wages in the Manufacturing Industries, Selected Years, 1917-61	98
21. Number of Employees and Annual Total and Average Salaries and Wages in the Manufacturing Industries, by Province and Industrial Group, 1961	99
22. Number of Employees and Annual Total and Average Salaries and Wages in the Forty Leading Industries ranked by Average Wages Paid to Production Workers, 1961	100
00 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	101
	101

TABLE OF CONTENTS - Continued

		0
	on E. Fuel and Electrical Energy Consumption	101
Table		100
	Cost of Purchased Fuel and Electricity Used by the Manufacturing Industries, by Province and Industrial Group, 1957-61 Cost of Purchased Fuel and Electricity Used by the Manufacturing Industries, by Size of Establishment, Province and	102
	Industrial Group, 1961	103
27.	Value of Fuel and Electricity Used in the Manufacturing Industries, Selected Years, 1926-60, and by Province and Industrial Group, 1961	104
28.	Quantities of Fuel and Electricity Used in the Manufacturing Industries, Selected Years, 1926-60, and by Province and Industrial Group, 1961	106
	PART IV. SELECTED CHARACTERISTICS OF THE MANUFACTURING INDUSTRIES	
Section	on A. Type of Ownership	108
29.	Percentage Distribution of Establishments in the Manufacturing Industries, by Type of Ownership, 1946-61	108
30.	Percentage Distribution of Establishments in the Manufacturing Industries, by Type of Ownership and Selling Value of Factory Shipments, 1961	108
31.	Percentage Distribution of Establishments in the Manufacturing Industries, by Type of Ownership, Province and Industrial Group, 1961	109
32.	Percentage Distribution of Employment in the Manufacturing Industries, by Type of Ownership of Establishment, Province and Industrial Group, 1961	109
33.	Percentage Distribution of Employment in the Forty Leading Industries, by Type of Ownership of Establishment, 1961	110
34.	Principal Statistics of the Manufacturing Industries, by Province and Type of Ownership, 1961	111
35.	Principal Statistics of the Manufacturing Industries, by Industrial Group and Type of Ownership, 1961	112
Section	on B. Size of Manufacturing Establishments Based on the Number of Employees	113
36.	Establishments in the Manufacturing Industries classified by Number of Employees, Selected Years, 1929-61	114
37.	$Number\ and\ Relative\ Importance\ of\ Establishments\ with\ 200\ or\ More\ Employees\ in\ the\ Twenty-five\ Leading\ Industries,\ 1961$	115
38,	Number and Relative Importance of Establishments with 500 or More Employees, by Province or Region, 1961	115
39.	Manufacturing Establishments classified by Number of Employees per Establishment and by Province, 1961	115
40.	Principal Statistics of the Manufacturing Industries, by Industrial Group and Number of Employees per Establishment, 1961	116
Section	on C. Size of Manufacturing Establishments Based on the Selling Value of Factory Shipments	119
41.	Establishments in the Manufacturing Industries classified by Value of Production, 1929, 1939, 1944 and 1949, and by Selling Value of Factory Shipments, 1954 and 1961	119
42.	Number and Relative Importance of Establishments with Selling Value of Factory Shipments of \$1,000,000 and Over in the Twenty-five Leading Industries, 1961	120
43.	Number and Relative Importance of Establishments with Selling Value of Factory Shipments of \$1,000,000 and Over, by Province, 1961	120
44.	Principal Statistics of the Manufacturing Industries, by Industrial Group and Selling Value of Factory Shipments, 1961	121
Secti	On D. Relative Rank of Manufacturing Industries	124
	Ten Leading Industries ranked by Selling Value of Factory Shipments, 1961, and their Rank in Selected Years, 1922-60 Principal Statistics of the Forty Leading Industries ranked by Selling Value of Factory Shipments, and their Rank in Five	125
	Other Items of Principal Statistics, 1961	126
	Rank of the Forty Leading Industries in Each of Seven Items of Principal Statistics, 1961	127
48.	Amounts and Proportions of Totals Accounted for by Specified Numbers of Leading Industries in Seven Items of Principal Statistics, 1961	128
	PART V. PROVINCIAL DISTRIBUTION OF MANUFACTURING INDUSTRIES	
Secti	on A. Principal Statistics by Province, Industrial Group and Size of Establishment	129
49.	Principal Statistics of the Manufacturing Industries, by Province and Industrial Group, 1961	129
50,	Principal Statistics of the Manufacturing Industries, by Province and Number of Employees per Establishment, 1961	133
51.	Principal Statistics of the Manufacturing Industries, by Province and Selling Value of Factory Shipments, 1961	135
Sect	ion B. The Atlantic Provinces	136
52	Principal Statistics of the Leading Industries, Atlantic Provinces, 1961	138
53	Principal Statistics of the Leading Industries, Newfoundland, 1961	138
	. Principal Statistics of the Leading Industries, Prince Edward Island, 1961	
	. Principal Statistics of the Leading Industries, Nova Scotia, 1961	
56	Principal Statistics of the Leading Industries, New Brunswick, 1961	139

TABLE OF CONTENTS - Concluded

		Page
	1 C. Quebec	140
Table		
57.	Principal Statistics of the Forty Leading Industries, Quebec, 1961	141
Section	D. Ontario	1.17
58.	Principal Statistics of the Forty Leading Industries, Ontario, 1961	143
Section	E. The Prairie Provinces	
59.	Principal Statistics of the Leading Industries, Prairie Provinces, 1961	144
60.	Principal Statistics of the Leading Industries, Manitoba, 1961	
61.	Principal Statistics of the Leading Industries, Saskatchewan, 1961	146
62.	Principal Statistics of the Leading Industries, Alberta, 1961	
Castion	F. Deitich Columbia	
63.	F. British Columbia Principal Statistics of the Leading Industries, British Columbia, 1961	
00.	Frincipal Statistics of the Leading Industries, British Columbia, 1961	147
	PART VI. SUB-PROVINCIAL DISTRIBUTION OF MANUFACTURING INDUSTRIES	
64.	Principal Statistics of the Manufacturing Industries of Canada, by Province and Census Division or County, 1961	. 148
65.	Principal Statistics of Manufacturing Industries of Cities and Towns with Selling Value of Factory Shipments of \$1,000,000 and Over, and with Three or More Establishments, 1961	151
66.	Number of Cities and Towns with Selling Value of Factory Shipments of \$1,000,000 and Over, Number of Establishments and Total Shipments in these Centres as a Percentage of the Provincial Total, by Province, 1961	156
67.	Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, Selected Years, 1939-61	156
68 A.	Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Montreal, by Industrial Group and Industry, 1961	158
68 B.	Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Montreal, by Municipality, 1961	161
69 A.	Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Toronto, by Industrial Group and Industry, 1961	161
69 B.	Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Toronto, by Municipality, 1961	164
70 A.	Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Hamilton, by Industrial Group and Industry, 1961	165
70B.	Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Hamilton, by Municipality, 1961	166
	Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Windsor, by Industrial Group and Industry, 1961	
	Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Windsor, by Municipality, 1961	168
	Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Winnipeg, by Industrial Group and Industry, 1961	169
	Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Winnipeg, by Municipality, 1961	171
	Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Vancouver, by Industrial Group and Industry, 1961	172
73B.	Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Vancouver, by Municipality, 1961	174
74.	Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, classified by the Number of Employees per Establishment, 1961	175
	APPENDIX I	
Industr	ry Division Publications on the Manufacturing Industries	177
	A DECEMBER 1	
	APPENDIX II	
Facsin	niles of the Long. Medium and Short Forms Used in the 1961 Census of Manufactures	183

SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- -- amount too small to be expressed.
- p preliminary figures.
- r revised figures.

PART I

INTRODUCTION

SECTION A. EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1961 Census of Manufactures. Most reports in the series refer to individual industries but there are general reports for Canada and the provinces and special reports on geographical distribution and on type of ownership and size of manufacturing statistics. A complete list of these and other reports published by the Industry Division on the manufacturing industries is included in Appendix I of this report.

As its name implies, the General Review of the Manufacturing Industries of Canada brings together into one report historical statistics, and summary results and general analyses of the annual Census of Manufactures. In addition, it includes data on manufacturing, such as capital investment and the index of industrial production, compiled by other Divisions of the Bureau.

Implementation of the new definition of the establishment in the 1961 Census has resulted in certain changes and necessitated some adjustments to the statistics for previous years in order to maintain comparability, as described below under "Establishment". Descriptions of the principal industry statistics, together with other relevant features of the Census of Manufactures, follow.

Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However, the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Establishment

The reporting unit in the Census of Manufactures is the establishment. Beginning with the 1961 Census, the establishment is defined as follows:

The smallest unit which is a separate operating entity capable of reporting all the following:

Materials and supplies used, Goods purchased for resale as such, Fuel and power consumed, Number of employees and their pay, Inventories, Shipments or sales,

The establishment is to be distinguished from smaller subdivisions or departments which do not have records which permit them to report all items required of an establishment. Prior to 1961, some establishments were required to submit two or more separate reports when they were engaged in operations which were classifiable to different industries. Beginning with 1961, separate reports for such operations will be required only in cases where accounting records can provide all the elements of principal statistics enumerated above. Special reporting arrangements were made with respondents when the acceptance of combined reports would have seriously affected the statistics for particular industries or areas. Where continuity of industry statistics was affected by this change in reporting procedures, adjustments to the data were made back to 1957 in order to maintain comparability of the series for recent years.

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing operations. Prior to 1961, the Census of Manufactures attempted to cover the manufacturing activities of all establishments, whether or not they were principally engaged in manufacturing operations.

Beginning with the 1961 Census, establishments (accounting entities) which are not primarily engaged in manufacturing are no longer included as manufacturing establishments in the basic industry statistics. Again, adjustments to the industry statistics were made to reflect the removal of such reporting units for the period 1957-60. These reporting units are now listed as establishments in other Bureau industry surveys, such as Wholesale Trade, Construction, etc. In order, however, to maintain complete coverage of certain commodity items produced mainly in manufacturing establishments, many non-manufacturing establishments are now surveyed for commodity shipments only and the latter are included in those tables of industry reports showing shipments of certain commodities "from all industries".

Many firms have more than one manufacturing establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements described earlier.

Prior to 1961, the main emphasis in the Census of Manufactures was on manufacturing activity whereas, beginning with 1961, each establishment reports on the total operations carried out within its accounting boundaries (except income from investments such as rent, interest and dividends). However, data on different activities (manufacturing, selling, construction by own labour force etc.) are requested separately. The 1961 statistics in this report are confined to manufacturing activity in order to maintain comparability with previous years. In the 1962 reports it is planned to show both 1961 and 1962 data on the "total activity" basis in addition to the data on manufacturing operations.

Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level, and clerical employees. Working owners and partners are also included in this category but will be shown separately in subsequent years.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piecework basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, handling, warehousing and delivery staff. Employees on new construction work, in retail or wholesale operations, on outside piece work, etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included with salaries, but will be shown separately in subsequent years. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the establishment including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the establishment, of materials, supplies and components actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants or reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments

Factory shipments generally refer to shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishment for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the-reporting firm which are treated as separate establishments are included. Goods bought or received as transfers and resold without further processing are not included. Values are requested on f.o.b. establishment basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories

Values represent the book value of manufacturing inventory. Figures consist of inventory at the plant and at warehouses or selling outlets which are treated as extensions of the plants for the purpose of reporting shipments.

SECTION B. CHANGES IN CLASSIFICATION AND CONCEPT

The statistics contained in the 1960 report reflected the implementation of the revised Standard Industrial Classification which provides for a breakdown of the manufacturing universe into 140 industries arranged in 20 major groups. This compared with 135 industries in 17 major groups in the old classification system which was used in the compilations for the years 1949 to 1959 inclusive. The revised classification incorporates changes considered desirable on the basis of experience in using the earlier classification as well as those which take account of changes in the structure of Canadian industries associated with the rapid developments of the past decade,

The revised classification introduced in the 1960 report brought about substantial changes in a number of industries because of the shifting of establishments from one industry to another, or because of regrouping of establishments into different industry classes, Many industries remained substantially unchanged. A description of the principal changes was given in the 1960 report. In order to provide comparability of data for

Value added by Manufacturing

Value added is compiled by deducting the cost of materials, fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process). Value added is sometimes referred to as net production.

Standard Industrial Classification

The revised Standard Industrial Classification which was introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive, Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or alloted to specific industries on the basis of the value of principal products made or shipped.

Establishments engaged solely in repair work are not included in manufacturing industries (except in the case of furniture, shipbuilding, boat building, aircraft and railroad rolling stock industries) but establishments principally engaged in assembling parts into complete units are included.

Short Forms

Since 1949, in order to ease the reporting burden for smaller firms, a one-page short form has been used, asking only for certain principal items of shipments. For purposes of publication, missing data were estimated on the basis of appropriate ratios. For the 1959 and 1960 censuses the general limit for short forms was raised from \$50,000 to \$100,000 value of shipments and a new intermediate form was used. This form is a shortened version of the long form in that some of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there are lower cut-offs for a number of industries in which the smaller firms account for a larger share of total shipments.

In the 1961 Census, in addition to the question on shipments of goods of own manufacture, questions on employment and payroll and on total revenue were added on all short forms. The other elements of principal statistics, viz. value of materials, fuel and electricity, and inventories, are generally estimated by using ratios based on the change in the value of shipments from year to year. This is to permit the complete compilation of basic industry statistics by industry and by geographic location. The proportion of the estimated data is generally less than 5 per cent of the total in each category of principal statistics.

recent years, the 1960 report also contained principal statistics on the revised basis for major industry groups of the new classification and totals by province for years back to 1957.

The present report for 1961 reflects a conceptual change which will result in an additional break in continuity. This change is an essential part of a programme aimed at improving the quality and consistency of industry statistics while at the same time facilitating reporting of the data. The differences in the 1961 statistics are the result of a change in the definition of the reporting unit (establishment) in the Census of Manufactures. The new definition, together with the principal

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of advertising, insurance and other business costs which are not collected in the annual Census of Manufactures. Value added figures for the primary industries, manufacturing and construction are published in DBS Catalogue No. 61-202, Survey of Production.

changes that resulted from its implementation, is described under "Establishment" in the Explanatory Notes at the beginning of this report. Where continuity of industry statistics was affected by these changes, adjustments to the data were made back to 1957 in order to maintain continuity of the series for recent years. The statistics in this report thus supersede those contained in the 1960 publication for the period 1957-60 and reflect both the change in classification implemented in the 1960 census and the change in concept introduced in the 1961 census.

In addition to the changes described in the Explanatory Notes and other changes in valuation, it should be noted that the two new industries - Poultry Processors and Dental Laboratories - introduced for the first time in the 1960 compilations, (see reconciliation table on page 10 of the 1960 report) were removed from the statistics contained in this report in order to provide comparability over the whole period 1957-61. These industries were included in the 1960 and 1961 censuses in accordance with the revised Standard Industrial Classification but did not represent "new" production. They will be re-introduced in the revised 1961 statistics to be released in the 1962 Census of Manufactures reports and will form part of the regular compilations thereafter. Two other groups of establishments that were surveyed for the first time in the 1960 census were treated in the same manner - book publishers (part of the Publishing Only industry) and electro-plating establishments (part of the Metal Stamping, Pressing and Coating industry). These also represented a break in continuity in the statistics of the industries involved and necessitated adjustments to the 1960 data.

In order to indicate the magnitude of all the changes described above resulting from the introduction of the new concept in the 1961 census, the following table shows the original and revised figures for 1960 for number of establishments and value of shipments at the provincial and major industry group levels. Since the 1961 Census of Manufactures was collected and compiled on the basis of the new concept only, no figures are, therefore, available to show what the results for 1961 would have been had they also been compiled on the old basis. For this reason the comparisons between the results on the old and the new concepts can only be made for the years 1957-60 which are available on both bases.

Some of the major differences in the industry group series result from the following adjustments:

In the case of the Food and Beverage Industries, the difference of \$212 million resulted mainly from the removal of the Poultry Processors industry from the 1960 compilations, as described earlier (\$119 million) and the transfer of several hundred feed reports from the manufacturing universe to nonmanufacturing industries. Most of the feed establishments were found to be principally engaged in trade and, in line with the new establishment concept (see Explanatory Notes), were removed from the basic manufacturing industry statistics.

The difference of \$61 million in the Wood Industries total resulted mainly from the transfer of a large number of sawmills out of manufacturing to other industries and a change from a value of production basis (lumber sawn by contract was given full value) to a value of shipments basis (revenue only for contract sawing). Another reason was the consolidation of reports in the same area for the same company into a combined report where company records do not permit satisfactory reporting of different operations, such as sawmilling and planing, in separate questionnaires as was the practice in the past.

In the Petroleum and Coal Products industry the main factor in the difference of \$48 million in the value of shipments was the treatment of products made for own use (mostly fuel oil) in petroleum refineries. Previously, these products were valued and added to the value of products made for sale and also included as part of fuels consumed, thus inflating the value of both inputs and outputs of the industry. In the new approach, such products made for internal use are removed from the compilations so that the shipments from each establishment will reflect outward movement of goods.

The difference of \$27 million in the Miscellaneous Manufacturing Industries is accounted for partly by the removal from the 1960 figures of Dental Laboratories (\$12 million) as described earlier.

The differences of \$20 million in both the Printing and Publishing and Metal Fabricating industries are principally the result of removing book publishers and electroplating establishments (\$16 million and \$14 million, respectively) from the 1960 statistics as noted above.

Original and Revised Data, Number of Establishments and Selling Value of Factory Shipments, 1960

	Numbe	r of establis	hments	Selling	value of factory sh	ipments
Province or industrial group	Original ¹	Revised ²	Difference	Original ¹	Revised ²	Difference
		number			dollars	
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Canada Food and beverage industries Tobacco products industries Rubber industries Rubber industries Leather industries Textile industries Knitting mills Clothing industries Knitting mills Clothing industries Wood industries Wood industries Wood industries Furniture and fixture industries	635 184 1, 278 901 11, 961 13, 387 1, 592 887 1, 648 3, 995 14 36, 682 8, 488 40 92 608 924 362 2, 391 7, 490	396 154 1,039 12,090 1,414 682 1,586 3,616 14 32,852 7,598 89 89 580 886 2,306 5,730	- 239 - 30 - 239 - 133 - 868 - 1, 297 - 178 - 262 - 379 - 3,830 - 890 - 1 - 3 - 28 - 89 - 1, 760 - 85 - 1, 760	129, 284, 578 30, 231, 361 406, 182, 088 377, 110, 146 7, 206, 968, 003 11, 685, 675, 652 738, 467, 346 344, 773, 261 889, 657, 800 1, 936, 917, 630 3, 071, 218 23, 747, 487, 083 4, 880, 293, 652 334, 413, 635 323, 053, 3118 268, 114, 309 810, 522, 933 198, 159, 994 770, 468, 489 1, 068, 041, 527 770, 268, 484, 889	126, 980, 575 28, 414, 952 387, 886, 633 369, 107, 808 7, 075, 504, 794 11, 479, 327, 327 11, 218, 538 329, 944, 928 859, 966, 254 1, 908, 542, 596 2, 927, 723 23, 279, 804, 128 4, 668, 363, 133 334, 369, 583 326, 459, 312 265, 687, 316 795, 930, 026 199, 566, 156 762, 967, 070 1, 007, 333, 001	- 2,304,003 - 1,816,405 - 18,313,455 - 8,002,338 - 130,591,209 - 206,348,325 - 27,238,808 - 14,828,333 - 29,691,546 - 28,375,034 - 143,495 - 467,652,955 - 211,930,519 - 44,052 + 5,406,194 - 2,446,999 - 14,592,907 + 1,406,162 - 7,501,419 - 60,708,526
Puriture and fixture industries Paper and allied industries Printing, publishing and allied industries Primary metal industries Metal fabricating industries Machinery industries Machinery industries Transportation equipment industries Electrical products industries Non-metallic mineral products Petroleum and coal products Chemical and chemical products Miscellaneous manufacturing industries	2,099 581 3,462 418 2,896 533 687 548 1,331 96 1,143 2,493	2, 070 565 3, 410 404 2, 756 519 677 536 1, 296 91 1, 063 1, 881	- 29 - 16 - 52 - 14 - 140 - 12 - 35 - 5 - 80 - 612	347, 980, 824 2, 128, 107, 197 865, 930, 729 2, 742, 520, 031 1, 432, 904, 803 642, 458, 967 2, 000, 689, 246 1, 175, 966, 233 647, 461, 580 1, 197, 967, 758 1, 373, 466, 548 538, 935, 510	341, 989, 146 2, 125, 894, 677 845, 827, 676 2, 728, 773, 897 1, 412, 484, 773 637, 673, 848 1, 999, 786, 033 1, 165, 736, 538 639, 089, 786 1, 357, 688, 488 511, 810, 029	- 5, 991, 678 - 2, 212, 520 - 20, 103, 053 - 13, 746, 134 - 20, 420, 030 - 4, 785, 119 - 931, 213 - 10, 229, 695 - 8, 371, 784 - 47, 546, 122 - 15, 778, 060 - 27, 125, 481

¹ As published in the 1960 report.
² As revised in the present (1961) report.

SECTION C. CHANGES IN THIS REPORT

Regular users of this report will notice in the current issue that some new series have been introduced, other series have been deleted or transferred to other publications, and the whole report has been rearranged in an effort to facilitate reference to the text and tabular material. Although reference to most of the changes is made in the relevant sections of the report, a summary of their salient features may enable users to appreciate the problems in concept, consistency and presentation that have led to their introduction.

1. Rearrangement of Contents

The report is divided into six main parts and two appendices, as follows:

Part I. Introduction

- (a) "Explanatory Notes", covering definitions and collection procedures;
- (b) "Changes in Concept and Classification", summarizing the effects of the revised Standard Industrial Classification introduced in 1960, and the New Establishment Concept introduced in 1961;
- (c) "Changes in this Report", summarized in this section; and
- (d) "Other Sources of Data on the Manufacturing Industries of Canada", summarizing some of the major sources of data on the manufacturing industries other than this report.

Part II. Growth of Manufacturing Industries

This part presents the manufacturing industries of Canada in 1961 in their historical context, beginning with a textual review of Canadian manufacturing in 1961. This is followed by several historical tables on principal statistics, going back in some instances to 1917, and by textual and tabular material on the indexes of industrial production. Finally, detailed tables of principal statistics on the revised (1960) Standard Industrial Classification and New Establishment Concept are presented by province, by industrial group and by industry for the 1957-61 period.

Part III. Selected Factors in Manufacturing Production

In this part some of the major inputs of capital, material and labour are analyzed, covering capital and repair expenditures, value of manufacturing inventory, employment, salaries and wages, and fuel and electrical energy consumption.

Part IV. Selected Characteristics of the Manufacturing Industries

This part presents a number of cross classifications by type of ownership and size of industrial establishments, based on both number of employees and selling value of factory shipments, as well as the relative rank of manufacturing industries on the basis of various principal statistics.

Part V. Provincial Distribution of Manufacturing Production

Several summary tables are followed by text and tabular material on the ten provinces, with the Atlantic Provinces and Prairie Provinces treated both regionally and individually.

Part VI. Sub-provincial Distribution of Manufacturing Production

In this part, principal statistics are presented in total for counties and census divisions, and for cities and towns having selling values of factory shipments of \$1,000,000 and over and with three or more establishments, and by industry for the six major manufacturing cities.

Appendix I. Industry Division Publications on the Manufacturing Industries

This list will enable users with special industry or commodity interests to determine additional sources of information on Canadian manufacturing industries, for many of which data are available on a monthly basis.

Appendix II. Facsimiles of the Long, Medium and Short Forms Used in 1961 Census of Manufactures

In general, these forms represent the questionnaires sent to large, medium and small establishments, respectively, for the 1961 Census of Manufactures. The usual criterion for this size classification is that of the selling value of factory shipments. However, newly-established firms or those in a transitional phase may temporarily receive forms of a type other than those applicable to the normal range of values of factory shipments for their particular industry. These ranges vary to some extent from industry to industry depending on the relative importance of small firms in the industry. For a more complete account of short and medium forms, see the sub-section "Short Forms" in Part I, Section A above; for the number of firms classified by province and the selling value of factory shipments, see Table 51 in Part V, Section A.

2. Additions

While not exhaustive, the following list is representative of the new statistical series appearing in this report:

- (a) Table 10, "Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61" presents for the first time in a single report detailed statistics on individual industries on the basis of the revised (1960) Standard Industrial Classification and New Establishment Concept for the 1957-61 period.
- (b) Table 14, "Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Group and Industry", gives details for individual industries, where these can be published, for 1960 and 1961.
- (c) Tables 42 and 43 give numbers and relative importance of establishments with selling value of factory shipments of \$1,000,000 and over in the 25 leading industries and in each of the provinces.
- (d) Tables 45 to 48, inclusive, present comprehensive data on individual industries ranked by various principal statistics.

3. Transfers to Other Reports

The "Alphabetical List of the Products Reported as having been Manufactured in Canada", which formerly appeared as Appendix II, has been issued as a separate publication entitled Products Shipped by Canadian Manufacturers (Catalogue No. 31-211). Subscribers to the 1961 issue of the "General Review" will have already received a complimentary copy of the 1961 issue of this new publication. In future, Products Shipped by Canadian Manufacturers will be sold separately at 75 cents and should be available well in advance of the General Review.

A companion table (No. 17 in the 1960 General Review) showing the quantities and values of the principal commodities produced or shipped by the manufacturing industries has been discontinued as the classification of the industry groupings on which the material was based has been changed and the detailed items can be obtained from Products Shipped by Canadian Manufacturers.

4. Deletions

Material deleted from the 1961 report falls into three main categories—historical data which are complete in themselves and which can be located in the reports for 1960 and earlier years; data which are not available because of the suspension of the surveys on which they are based; and data which can no longer be compled on the same basis as previously because of conceptual changes arising from the implementation of the revised Standard Industrial Classification.

- (a) Historical Data.—Among the text and tables appearing in the 1960 General Review but which are not included in this report are the following (pages in the 1960 General Review in parentheses):
 - (i) Methods and Forms Used in Collecting and Compiling the Census of Manufactures for 1958, 1959 and 1960 (16-19)
- (ii) General Review of the Manufacturing Industries of Canada, 1945-59 (19-25)
- (iii) Average Annual Capital and Repair Expenditures by the Manufacturing Industries, 1945-60 (70, 71)
- (iv) Hours Worked in the Manufacturing Industries, 1938-60 (80-83)
- (v) Average Annual, Weekly and Hourly Earnings, 1934-60 (88-101)
- (vi) Power Equipment Installed in the Manufacturing Industries, 1926-58 (120, 121).
- (b) Data Not Available Because of Suspension of Surveys.—Much of the data on hours worked and earnings in manufacturing industries published in Subsections 4 and 5 of Section 4 of the 1960 and previous reports was based on material compiled by the Bureau's Labour Division and published in detail in its report Earnings and Hours of Work in Manufacturing (DBS Catalalogue No. 72-204). This report, based on an annual survey of earnings and hours of work of men and women in manufacturing establishments, during the last week of October, provides data supplementing the Labour Division's monthly surveys of employment, payrolls and manhours. Every third year the following

- additional material is collected, with the last year for which the data were collected indicated in each category:
- Percentage distributions of male and female wage-earners by hours worked in the survey week (1958).
- Percentage distributions of male and female wage-earners and salaried employees by earnings in the week (1959).
- Earnings and hours of general office and clerical workers as differentiated from administrative, professional, supervisory and other supervisory and other salaried employees (1960).

With the suspension of this survey in 1961, the usual data for several of the tables on hours worked and on average weekly and hourly earnings are not available. In general, the tables affected are those comparable to the historical series noted in Subsections (iv) and (v) of (a) above. Average annual salaries and wages, classified by sex, are also unavailable because data from this special survey were used in conjunction with Census of Manufactures data in their calculation.

(c) Data No Longer Compiled on Comparable Basis.—The introduction of the revised Standard Industrial Classification in 1960, with its orientation toward chief component material for manufactured articles of relatively simple fabrication and toward purpose or use for more complex products which can be made out of alternative materials, has made it impossible to continue to compile meaningful statistics solely on the basis of chief component material. As a result, Table 18 of the 1960 report, providing principal statistics on the basis of chief component material for selected years to 1959 has been discontinued. Because a similar problem exists in determining for many products and industries the origin of materials used (i.e. farm, mineral, forest, marine, wild life or mixed), Table 19 of the 1960 report, presenting principal statistics on the basis of origin of material used, has also been discontinued.

SECTION D. OTHER SOURCES OF DATA ON THE MANUFACTURING INDUSTRIES OF CANADA

In a general report of this type it is possible to indicate only the more obvious official sources of information on Canadian manufacturing industries. As the Dominion Bureau of Statistics is charged under the Statistics Act with the responsibility of, among other things, conducting a census of manufactures, it follows that much of the officially published data on Canadian manufacturing originates in the Bureau and, in particular, in its Industry Division. The results of the annual Census of Manufactures are published in a series of about 140 industry reports which are released as the compilations for individual industries are completed. In addition, a large number of quarterly and monthly reports and special compilations are published on specific aspects of individual industries.

A complete current list of the Industry Division's publications on manufacturing appears in Appendix I of this report.

Publications of several other Divisions of the Bureau also contain considerable data relevant to Canadian manufacturing and the best single source of the names of these is the Publications Catalogue, Dominion Bureau of Statistics available from the Information and Public Relations Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa. The following publications of other Bureau Divisions, with DBS catalogue numbers in parentheses, are

typical of both the general and specific information available on various aspects of manufacturing:

General

Canadian Statistical Review (11-003).—Index of industrial production; wages and salaries; manufacturing shipments, inventories and new orders; production of selected commodities; industry selling price indexes; wholesale price indexes, etc.

Labour

Employment and Payrolls (72-002),—Industry and area index numbers of employment and payrolls and averages of weekly wage and salary statistics.

Man-Hours and Hourly Earnings (72-003). - Industry and area averages of hours per week, and hourly weekly wages,

External Trade

Exports by Commodities (65-004).—Detailed figures for exports, showing countries to which each commodity was exported; monthly figures and cumulative totals from beginning of calendar year.

Imports by Commodities (65-007).—Data for imports similar to those in 65-004 above.

PART II

GROWTH OF MANUFACTURING INDUSTRIES

SECTION A. GENERAL REVIEW, 1961

The recovery in Canadian manufacturing production that took place in 1959, and was temporarily halted in 1960, was again in evidence in 1961 when the volume of manufactured goods produced increased by 2.5 per cent. The index of the volume of manufacturing production, at 153.0 (1949 = 100), was the highest on record, exceeding the previous high of 149.8 in 1959 by 2.1 per cent. New records were also established for the value of factory shipments, at \$24,243,294,949; value added by manufacture, at \$10,682,137,680; and salaries and wages, at \$5,231,446,969. However, the number of employees, at 1.264.946. was 0.8 per cent lower than in 1960. This countermovement in employment and production in 1961 is a continuation of the trend in recent years for a given volume of output to be produced by fewer employees. During the 1949-61 period, for example, the physical volume of manufacturing production increased by 53 per cent while the number of employees increased by only 8 per cent. The higher salaries and wages paid in 1961 resulted from the continuing advance in average salaries and wage rates, a trend common to all sectors of the economy.

Of tremendous importance in sustaining the high level of production in 1961 was the continued high spending on capital goods, such as construction and machinery and equipment of all kinds. Investment in capital goods amounted to \$8,172,000,000 in 1961, a decrease of \$90,000,000 from the previous year. Of the total spent, \$5,518,000,000 was for construction and \$2,654,000,000 for machinery and equipment. Spending for construction was \$65,000,000 higher while for machinery and equipment it was \$155,000,000 lower. The high level of construction and an increase in the exports of timber and lumber is reflected in increases of 2.6 per cent in the volume output of the wood industries and 4.4 per cent in nonmetallic mineral products.

Export demand for Canadian manufactured products was also a strong factor in stimulating the high level of production in 1961. Exports of fabricated materials advanced from \$2,874,300,000 in 1960 to \$2,916,400,000 in 1961, an increase of 1.5 per cent, Substantial Improvements were shown in the amounts of timber and lumber, wood pulp, newsprint, whiskey, nickel, fertilizers, aircraft, lead and lead products, non-farm machinery and synthetic plastics going abroad, but at the same time declines occurred in such major export items as shingles, veneer and plywood, wheat flour, farm implements and machinery, aluminum and its products, copper and its products, zinc, automobiles and parts, artificial abrasives, synthetic rubber and plastics and uranium ores and concentrates.

As already mentioned, the index of the volume of manufacturing production as a whole reached an all-time high of 153.0 in 1961. Between 1960 and 1961 the volume of non-durable or consumer goods produced increased 3.4 per cent while the volume of durable goods advanced only 1.4 per cent. Since the end of the Second World War production of the non-durable goods industries experienced an almost uninterrupted expansion, but recorded an increase in volume of only 54 per cent between 1946 and 1956 while durable goods increased 92 per cent in the same period. The gap between the two sectors was narrowed in the years 1957 to 1961, so that for the whole period 1946-61 production of durable goods expanded 86 per cent and non-durable goods 75 per cent.

All industries producing non-durable goods, with the exception of the clothing and knitting mills group, reported increased volume in 1961. The greatest increase in volume of 11.2 per cent was attained by the miscellaneous industries group. This was followed by leather products with an increase of 10.7 per cent, textiles 9.9 per cent, tobacco and tobacco products 6.4 per cent, products of petroleum and coal 3.3 per cent, foods and beverages 2.7 per cent, rubber and rubber products 1.7 per cent, printing, publish-

ing and allied industries 1.1 per cent and chemicals and allied products 1.1 per cent. Volume output of clothing factories and knitting mills declined 0.7 per cent. The significant feature in 1961 was the upsurge in the output of leather products and textiles. These two groups which were operating during the previous few years at comparatively low levels materially bettered their position during 1961.

In the durable goods sector the trend in 1961 was mixed, Four of the groups reported increases and two declines. Of the groups reporting increased volume, non-metallic mineral products had the highest increase of 4.4 per cent, followed by wood products with 2.6 per cent, iron and steel products 1.5 per cent and electrical apparatus and supplies 1.3 per cent. The output of non-ferrous metal products dropped 0.5 per cent and transportation equipment 0.2 per cent.

The level of manufacturing activity in 1961, as measured by the number of persons employed, was lower in all provinces except Newfoundland, Prince Edward Island and New Brunswick. The greatest increase of 6.2 per cent was reported by Newfoundland, followed by an increase of 3.2 per cent in Prince Edward Island and 1.5 per cent in New Brunswick. The greatest loss in employment was suffered by Nova Scotia with a drop of 4.2 per cent, This was followed by British Columbia with a drop of 1.4 per cent, Quebec 1.3 per cent, Saskatchewan 1.0 per cent, Ontario 0.5 per cent, Alberta 0.3 per cent and Manitoba 0.2 per cent.

Despite the great industrial progress made by other provinces, Ontario continued to maintain its predominance, and in 1961 accounted for 49.3 per cent of the total value of factory shipments, Quebec, with 30.2 per cent of the total shipments, ranked as the second largest industrial province, while British Columbia with 8.1 per cent of the total ranked third. Ontario as the leading producer of durable goods experiences wider fluctuations in production than other provinces since durable goods are more affected by swings in the business cycle than the production of non-durable or consumer goods. For this reason Ontario's share of the total goes up when production generally expands and declines when output drops,

The tremendous development which has taken place in Canadian manufacturing since the end of the Second World War is illustrated in the tables which follow this review. Between 1946 and 1961 the physical volume of manufactured products increased a remarkable 79.6 per cent. Part of this advance resulted from an increased demand abroad for Canadian manufactured goods, part to the demands made on Canadian industry as a result of expansion in the economy during the 15-year period, and part to the increase in the standard of living of the Canadian people. The increase of 85.7 per cent in the output of durable goods consisting extensively of building materials, machinery and equipment of all kinds reveals the extent of the contribution made by Canadian industry to the substantial expansion in the productive capacity of the country. Non-durable goods during the same period increased by 74.8 per cent.

With only two exceptions, all groups in both the durable and non-durable sectors recorded marked advances in volume of output since 1946. The exceptions were clothing, including knitting mills which advanced only 12.4 per cent and leather products which remained practically unchanged. In the durable goods sector the most striking advance was made by the nonmetallic mineral products group with an increase of 205.8 per cent. This was followed by electrical apparatus and supplies 169.7 per cent, non-ferrous metal products 80.4 per cent, iron and steel products 72.5 per cent, transportation equipment 61.0 per cent and wood products 60.8 per cent.

In the non-durable goods sector the greatest advance was made by the products of petroleum and coal group which recorded a gain of 248.3 per cent. This was the highest increase of any group in either sector. Miscellaneous industries with an increase of 165.6 per cent came second, followed by chemicals and allied products 155.3 per cent, tobacco and tobacco prod-

ucts 113.7 per cent, beverages 99.0 per cent, printing, publishing and allied industries 92.7 per cent, paper products 89.4 per cent, rubber and rubber products 62.8 per cent, textiles 51.7 per cent, foods 46.8 per cent and clothing, including knitting mills 12.4 per cent. The output of the leather products group declined 0.2 per cent.

SECTION B HISTORICAL STATISTICS, 1917-61

Statistics on manufacturing in Canada have been collected since 1870, originally in connection with the decennial or quinquennial censuses for the period 1870 to 1915, and, since 1917, through the annual Census of Manufactures. Although every effort has been made to maintain comparability in the statistics since 1917, as shown in Table 1, changes in coverage of industries, type of data collected and the method of its treatment have inevitably introduced discontinuities or lack of comparability in certain components. One such major change in concept occurred in 1952 when the gross value of products was replaced by the value of factory shipments. More recently, as explained in Part I, the introduction of the Revised Standard Industrial Classification in 1960 and the New Establishment

Concept in 1961 led to a break in continuity with previous years. An indication of the effects of these revisions in classification and concept is given in Table 1 where statistics for the 1957-59 period are given on both the 1948 Standard Industrial Classification and manufacturing activity concept and the revised (1960) Standard Industrial Classification and New Establishment Concept. Under this latter concept, a manufacturing establishment (i.e. one whose major activity is manufacturing) is the smallest reporting unit capable of reporting all of the following: materials and supplies used, goods purchased for resale as such, fuel and power consumed, number of employees and their pay, inventories, and shipments or sales.

TABLE 1. Summary Statistics of Manufactures, 1917-61

Note: Statistics of manufacturing from 1870 have been published, but between that year and 1917 they are not on a comparable basis to the series given below. They will be found in Table 1 in the 1941 edition of this report. Statistics of the non-ferrous metal smelting industries were not included in manufactures prior to 1925.

Year	Establish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Gross value o	
	num	ber		dol	lars		
917 	21,845 21,777 22,083 22,532	605, 523 602, 179 594, 066 598, 893	497, 801, 844 567, 991, 171 601, 715, 668 717, 493, 876	1,539,678,811 1,827,631,548 1,779,056,765 2,085,271,649	1, 281, 131, 980 1, 399, 794, 849 1, 442, 400, 638 1, 621, 273, 348	2,820,810,791 3,227,426,397 3,221,457,403 3,706,544,997	
21	20, 848	438, 555	497, 399, 761	1,365,292,885	1, 123, 694, 263	2, 488, 987, 148	
	21, 016	456, 256	489, 397, 230	1,272,651,585	1, 103, 266, 106	2, 375, 917, 691	
	21, 080	506, 203	549, 529, 631	1,456,595,367	1, 206, 332, 107	2, 662, 927, 474	
	20, 709	487, 610	534, 467, 675	1,422,573,946	1, 075, 458, 459	2, 570, 561, 931	
25	20, 981 21, 301 21, 501 21, 973	522, 924 ³ 559, 161 ³ 695, 052 ³ 631, 429 ³	569, 944, 442 625, 682, 242 662, 705, 332 721, 471, 634	1,571,788,252 1,712,519,991 1,741,128,711 1,894,027,183	1,167,936,726 1,305,168,549 1,427,649,292 1,597,887,676	2,816,864,958 3,100,604,63 3,257,214,876 3,582,345,30	
29	22, 216 22, 618 23, 083 23, 102	665, 531 ³ 614, 696 ³ 528, 640 468, 833	777, 291, 217 697, 555, 378 587, 566, 990 473, 601, 716	2,029,670,813 1,664,787,763 1,221,911,982 954,381,097	1,755,386,937 1,522,737,125 1,252,017,248 955,960,724	3, 883, 446, 110 3, 280, 236, 600 2, 555, 126, 440 1, 980, 471, 540	
33	23, 780	468, 658	436, 247, 824	967, 788, 928	919, 671, 181	1,954,075,78	
	24, 209	519, 812	503, 851, 055	1, 229, 513, 621	1,087, 301, 742	2,393,692,72	
	24, 034	556, 664	559, 467, 777	1, 419, 146, 217	1,153, 485, 104	2,653,911,20	
	24, 202	594, 359	612, 071, 434	1, 624, 213, 996	1,289,592,672	3,002,403,81	
37	24, 834	660, 451	721, 727, 037	2,006,926,787	1,508,924,867	3,625,459,50	
	25, 200	642, 016	705, 668, 589	1,807,478,028	1,428,286,778	3,337,681,36	
	24, 805	658, 114	737, 811, 153	1,836,159,375	1,531,051,901	3,474,783,52	
	25, 513	762, 244	920, 872, 865	2,449,721,903	1,942,471,238	4,529,173,31	
41	26, 293	961, 178	1, 264, 862, 643	3, 296, 547, 019	2,605,119,788	6,076,308,12	
42	27, 862	1, 152, 091	1, 682, 804, 842	4, 037, 102, 725	3,309,973,758	7,553,794,97	
43	27, 652	1, 241, 068	1, 987, 292, 384	4, 690, 493, 083	3,816,413,541	8,732,860,99	
44	28, 483	1, 222, 882	2, 029, 621, 370	4, 832, 333, 356	4,015,776,010	9,073,692,51	
45	29, 050	1,119,372	1,845,773,449	4, 473, 668, 847	3,564,315,899	8, 250, 368, 86	
	31, 249	1,058,156	1,740,687,254	4, 358, 234, 766	3,467,004,980	8, 035, 692, 47	
	32, 734	1,131,750	2,085,925,966	5, 534, 280, 019	4,292,055,802	10, 081, 026, 58	
	33, 420	1,155,721	2,409,368,190	6, 632, 881, 628	4,938,786,981	11, 875, 169, 68	
49 ⁴	35, 792	1,171,207	2,591,890,657	6,843,231,064	5, 330, 566, 434	12, 479, 593, 30	
	35, 942	1,183,297	2,771,267,435	7,538,534,532	5, 942, 058, 229	13, 817, 526, 38	
	37, 021	1,258,375	3,276,280,917	9,074,526,353	6, 940, 946, 783	16, 392, 187, 13	
	37, 929	1,288,382	3,637,620,160	9,146,172,494	7, 443, 533, 199	16, 982, 687, 03	
53 ⁴	38, 107	1,327,451	3, 957, 018, 348	9,380,558,682	7,993,069,351	17, 785, 416, 85	
	38, 028	1,267,966	3, 896, 687, 691	9,241,857,554	7,902,124,137 ^{5,6}	17, 554, 527, 50	
	38, 182	1,298,461	4, 142, 409, 534	10,338,202,165	8,753,450,496	19, 513, 933, 81	
	37, 428	1,353,020	4, 570, 692, 190	11,721,536,889	9,605,424,579	21, 636, 748, 98	
57 ⁴	37,875	1,359,061	4,819,627,999	11,900,751,703	9,822,084,726	22, 183, 594, 31	
	36,741	1,289,602	4,802,496,260	11,821,567,471	9,792,505,931	22, 163, 186, 30	
	36,193	1,303,956	5,073,073,706	12,552,200,543	10,320,962,881	23, 311, 601, 48	

TABLE 1. Summary Statistics of Manufactures, 1917-61 - Concluded

Year	Establish- ments	Employees	Salaries Cost at plant of Value added by Grand wages materials used manufacture ¹						
	В	asis: Revised	Standard Industrial	Classification and	New Establishment	Concept ⁷			
	num	iber		do	llars				
1957'	33,551	1, 340, 948	4,778,039,547	11,698,789,116		21, 452, 342, 614			
19587	32, 446	1, 272, 686	4, 758, 614, 431	11,630,824,511	9, 454, 953, 713	21, 434, 815, 270			
19597	32,075	1, 287, 809	5, 030, 128, 199	12, 339, 558, 078	10, 154, 277, 148	22, 830, 826, 631			
19607	32,852	1,275,476	5, 150, 503, 040	12, 451, 637, 236	10, 371, 284, 023	23, 279, 804, 128			
19617	32, 415	1, 264, 946	5, 231, 446, 969	13, 127, 707, 976	10, 682, 137, 680	24, 243, 294, 949			

For 1924-51, inclusive, the "Value added by manufacture" is computed by subtracting the cost of fuel, electricity and materials from the gross value of products. For 1952 and 1953 the deduction is made from "Value of factory shipments"; in 1954 and subsequent years, from the calculated value of production which is obtained by adding to the shipments the value of the closing inventory minus the value of the opening inventory of goods in process and finished goods. Figures prior to 1924 are not strictly comparable, since statistics for the cost of electricity are not available.

In 1952 and subsequent years the basis of collection for most industries: "Value of factory shipments" instead of "Gross value of products". A change in the method of computing the number of wage-earners in the years, 1925 to 1930, inclusive, increased the number somewhat over that which the method of the province and therefore, not included.

Newfoundland is included for 1949 and subsequent years; however, figures for the fish processing industry, 1949 and 1950, were not available for this province and therefore, not included.

There were three major changes in concept affecting the data for the Primary Iron and Steel Industry in 1954. The first one involved a change in the method of counting establishments; the second concerned a change in valuing shipments of wire rods transferred to makers' own processing plants; while the third concerned the method of calculating "Value added by manufacture". Figures for 1954 and subsequent years are therefore not comparable with previous years. See footnotes to Table 2 of the 1954 report on the Primary Iron and Steel Industry.

In 1954 there was a change in procedure of reporting the value of products in the products industry. This increased the value of products by approximately \$139,000,000. Another change was made in 1959 which lowered the value of production in the Petroleum Refining Industry and the processing and recessive series (1957-61) the figures are comparable through the period on the l

TABLE 2. Totals and Averages per Establishment and Employee for Principal Statistics, Selected Years, 1917-61

Item	1917	1920	1929¹	1933	1939
Establishments	21,845	22, 532	22, 216	23,780	24, 805
Total employees	606, 523	598, 893			
Average per establishment	27.8	26.6	666, 531 30. 0	468, 658 19. 7	658, 114 26. 5
Total salaries and wages \$ Average per establishment \$ Average per employee \$	497, 801, 844	717, 493, 876	777, 291, 217	436, 247, 824	737,811,153
	22, 788	31, 843	34, 988	18, 345	29,744
	821	1, 198	1, 166	931	1,121
Administrative and office employees No. Average per establishment	64, 918	78,334	88, 841	86,636	124,772
	3. 0	3.5	4. 0	3.6	5.0
Salaries	85, 353, 667	141, 837, 361	175, 553, 710	139, 317, 946	217, 839, 334
	1, 315	1, 811	1, 976	1, 608	1, 746
Production workers	541,605	520,559	577, 690	382,022	533,342
	24.8	23.1	26. 0	16.1	21.5
Wages\$ Average per employee\$	412, 448, 177	575, 656, 515	601,737,507	296, 929, 878	519, 971, 819
	762	1, 106	1,042	777	975
Cost of materials \$ Average per establishment \$ Average per employee \$	1,539,678,811	2, 085, 271, 649	2,029,670,813	967, 788, 928	1, 836, 159, 375
	70,482	92, 547	91,361	40, 698	74, 024
	2,539	3, 482	3,045	2, 065	2, 790
Value added by manufacture ² \$ Average per establishment ² \$ Average per employee ² \$	1, 281, 131, 980	1, 621, 273, 348	1,755,386,937	919, 671, 181	1,531,051,901
	58, 646	71, 954	79,015	38, 674	61,724
	2, 112	2, 707	2,634	1, 962	2,326
Gross value of products \$ Average per establishment \$ Average per employee \$	2,820,810,791	3, 706, 544, 997	3, 883, 446, 116	1, 954, 075, 785	3,474,783,528
	129,128	164, 501	174, 804	82, 173	140,084
	4,651	6, 189	5, 826	4, 170	5,820
Cost of fuel and electricity		::	98, 388, 366 4, 428 172	66,615,676 2,801 174	107, 572, 252 4, 337 202

TABLE 2. Totals and Averages per Establishment and Employee for Principal Statistics, Selected Years, 1917-61-Concluded

	1944	1949	1954	1960³	19613
Establishments	28, 483	35,792	38,028	32, 852	32,415
Totals employees	1, 222, 882 42. 9	1,171,207 32.7	1,267,966	1,275,476 38.8	1,264,946 39.0
Total salaries and wages	2,029,621,370	2,591,890,657	3,896,687,691	5, 150, 503, 040	5, 231, 446, 969
	71,257	72,415	102,469	156, 779	161, 390
	1,660	2,213	3,073	4, 038	4, 136
Administrative and office employees	192, 558	221,551	278, 936	303, 866	295, 670
	6. 8	6.2	7. 3	9, 2	9, 1
Salaries	418, 065, 594	628, 427, 937	1,075,101,215	1,585,379,151	1,595,333,662
	2, 171	2, 836	3,854	5,217	5,362
Production workers	1,030,324	949, 656	989,030	971,610	969, 276
	36.2	26. 5	26.0	29.6	29, 9
Wages\$ Average per employee \$	1,611,555,776	1,963,462,720	2,821,586,476	3, 565, 123, 889	3,646,113,307
	1,564	2,068	2,853	3, 669	3,762
Cost of materials \$ Average per establishment \$ Average per employee \$	4,832,333,356	6,843,231,064	9, 241, 857, 554	12, 451, 637, 236	13, 127, 707, 976
	169,657	191,194	243, 028	379, 022	404, 989
	3,952	5,843	7, 289	9, 762	10, 378
Value added by manufacture ² \$ Average per establishment ² \$ Average per employee ^a \$	4,015,776,010	5, 330, 566, 434	7, 902, 124, 137	10,371,284,023	10,682,137,680
	140,989	148, 932	207, 798	315,697	329,543
	3,284	4, 551	6, 232	8,131	8,445
Gross value of products	9,073,692,519	12, 479, 593, 300	17, 554, 527, 504 ⁴	23, 279, 804, 128 ⁴	24, 243, 249, 949 ⁴
	318,565	348, 670	461, 621	708, 627	747, 904
	7,420	10, 655	13, 845	18, 252	19, 165
Cost of fuel and electricity	225, 583, 153	305, 795, 802	424, 432, 228	503, 978, 312	515, 384, 755
	7, 920	8, 544	11, 161	15, 341	15, 900
	219	322	429	519	532

¹ A change in the method of computing the number of production workers in the years 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. There was, therefore, a proportionate reduction in the averages for 1925-30 per employee as compared with what these averages would have been under the other method. In 1931, however, the method in force prior to 1925 was re-adopted. The figures for 1931 and for later years are therefore comparable with those for 1924 and earlier years.

¹ See footnote 1, Table 1.
³ Based on revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with years prior to 1960.
⁴ See footnote 2, Table 1.

TABLE 3. Changes in Selected Principal Statistics of the Manufacturing Industries in Canada, by Province and Industrial Group, 1957 to 1961 and 1960 to 1961

		1957 to 1961	L		1960 to 1961	
Province or industrial group	Number of employees	Salaries and wages	Selling value of factory shipments	Number of employees	Salaries and wages	Selling value of factory shipments
			per	cent		
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Totals Food and beverage industries Tobacco products industries Rubber industries Rubber industries Textile industries Eather industries Erstile industries Fortiles Fortile	+ 2.1 + 13.1 - 12.5 + 8.6 - 4.8 - 7.0 - 4.7 + 4.3 + 0.3 - 6.6 - 15.3 - 5.7 - 0.1 - 4.7 - 15.0 - 0.5 - 6.7 - 15.0 - 1.9 - 1.5 -	+ 12.0 + 36.0 - 0.5 + 23.0 + 10.8 + 7.8 + 13.5 + 22.1 + 18.1 + 4.4 + 9.5 + 18.0 + 17.5 + 11.6 + 13.7 + 7.5 + 11.6 + 9.8 + 10.4 + 16.0 + 11.0 + 16.0 + 11.0 + 16.0 + 17.5 + 16.0 + 17.5 + 11.6 + 19.4 + 10.4 +	+ 20.6 + 31.5 - 5.8 + 29.9 + 12.0 + 9.9 + 17.9 + 15.8 + 23.7 + 11.5 + 11.5 + 11.5 + 18.7 + 20.8 + 19.5 + 26.3 + 9.6 + 15.0 + 17.5 + 23.9 + 13.5 + 21.1 + 20.8 + 19.5 + 26.3 + 26.	+ 6.2 + 3.2 - 4.2 + 1.5 - 0.3 - 1.0 - 0.3 - 1.4 + 11.3 - 0.8 - 1.1 - 3.0 + 1.3 - 7.1 + 3.8 + 3.0 + 1.3 - 0.4 - 2.3 - 1.1 - 2.3 - 1.1 - 2.3 - 1.1 - 3.3 - 3.3 - 3.3	+ 11.3 + 4.2 - 2.4 + 3.7 + 1.3 + 1.6 + 3.9 + 1.8 + 2.7 + 1.3 + 10.6 + 1.5 + 1.0 - 2.1 - 3.0 + 7.3 + 4.0 - 3.9 + 4.0 - 3.9 + 4.0 - 3.9 + 1.3 + 1.5 + 1.	+ 8.1 + 5.7 - 3.2 + 7.7 + 3.6 + 4.2 + 8.3 + 4.4 + 8.6 + 3.1 + 17.3 + 4.1 + 5.1 + 0.2 + 0.8 + 9.6 6 + 10.0 + 9.9 + 5.1 + 2.8 + 3.1 + 3.8 +

Value and Volume of Manufactured Production. — In assessing the growth of manufacturing in real terms, it is necessary to adjust the current dollar values of factory shipments for changes in price levels, Although there is currently no composite price index designed to measure these variations for manufacturing as a whole, the DBS Prices Division compiles and publishes industry selling prices for 102 individual industries. DBS Reference Paper No. 62-515, Industry Selling Price Indexes 1956-59, contains tables, explanatory text, charts and weights relating to these indexes; current indexes are published monthly in Prices and Price Indexes. The fundamental distinction between industry selling price indexes and wholesale price indexes is that the former are compiled on the basis of the 1948 Standard Industrial Classification while the latter are classified by commodity on a chief component material basis. It has been

found, however, that in the period for which the industry selling price indexes have been published (1956 to date) there has been a very close relationship between the movements of the two series of indexes. For practical purposes, this means that, for individual industries since 1956, industry selling price indexes will provide the most appropriate measure of price variations; for manufacturing as a whole, particularly for the period prior to 1956 for which there are no industry selling price indexes, either the general wholesale price index or the price indexes, either the general wholesale price index or the price index of fully and chiefly manufactured products will provide an approximate indication of the movement of prices of manufactured goods as these latter indexes are composed mainly of manufacturers' prices. Indexes for selected years since 1917, on the base period 1935-39=100, are as follows:

Year	General wholesale price index	Price index of fully and chiefly manufactured goods	Year	General wholesale price index	Price index of fully and chiefly manufactured goods
1917	148. 9 203. 2 130. 3 124. 6 87. 4 99. 2 130, 6	150, 9 208, 2 133, 0 123, 7 93, 3 101, 9 129, 1	1953 1956 1957 1958 1959 1960	220, 7 225, 6 227, 4 227, 8 230, 6 230, 9 233, 3	228.8 231.5 237.9 238.3 241.6 242.2 244.5

A more direct measure of the growth of manufacturing in physical terms is available in the Index of the Volume of Industrial Production which, like Industry Selling Price Indexes, is based on the 1948 Standard Industrial Classification. Indexes of the Volume of Industrial Production in Canada have been published by the Dominion Bureau of Statistics since the early 1920's and have been revised periodically over the years to improve their usefulness and reliability as indicators of economic activity. The index currently in use is based on 1949 = 100 and covers three industries - mining, manufacturing, and electric power and gas utilities. Manufacturing has a base-period industry weight of 84.83 per cent of which non-durable goods account for 45.74 per cent and durable goods, 39.09 per cent. It is evident, therefore, that changes in the manufacturing sector have significant effects on the movement of the Index of Industrial Production.

The construction and publication of the Index of Industrial Production is the responsibility of the Industrial Output Section of the Bureau's National Accounts and Balance of Payments Division. A description of the concepts, scope, weights and methods of compilation of the index is contained in the report Revised Index of Industrial Production 1935-57 (Catalogue No. 61-502) while a description of the extension of the index back to 1919 is contained in the March 1963 Annual Supplement to the Monthly Index of Industrial Production (Catalogue No. 61-005). The following summary description of the index covering the 1919-61 period is derived in large part from the latter publication and, along with the indexes for the 1919-34 period in Table 3, appears in the General Review for the first time.

Any attempt to express a period of more than 40 years on a single weight basis is bound to introduce certain discontinuities because of the tremendous changes in industrial structure which have taken place in Canada since the early 1900's. Although every effort has been made to produce an index as comparable as possible from 1919 to the present, the series have, in fact, been computed on three different time and weight bases and have been mechanically expressed on one reference or time base, 1949. The period from 1919 to 1935 was computed on a weight-base of 1926=100 using gross values, and, since the manufacturing index for this period was based on only 29 commodity series, its coverage is much less inclusive, and

reliability therefore probably less dependable, than during later periods, at least in terms of annual levels. However, it should be noted that, even if benchmark or annual indexes were available for the earlier period, the month-to-month movements would be substantially the same.

The original 1935-39-based index, described in DBS Reference Paper No. 34, was superseded by the 1949-based index contained in the DBS Reference Paper Revised Index of Industrial Production 1935-57 mentioned above. The indexes in the latter publication were linked to the earlier material at 1946 and extended back to 1935. These indexes have now been linked at 1935 to the 1926-based indexes and extended back to 1919, Thus, indexes for the 1919 to 1934 period were derived using 1926 weights, the 1935-45 period using 1935-39 weights, and the period from 1946 to the present, 1949 weights.

It should be noted that it was not considered feasible to attempt a breakdown of manufacturing into durable and non-durable components prior to 1935 as the index of manufacturing production for the period from 1919 to 1934 is essentially one of commodity, rather than industry, output. One further qualification should be noted. The components of the durable goods and non-durable goods sectors for the 1935-61 period are based on the unrevised (1948) Standard Industrial Classification rather than on the revised (1960) Standard Industrial Classification applicable to most other series in this report for the 1957-61 period. Plans are under way to convert the Index of Industrial Production to the revised Standard Industrial Classification and a new base year of 1961 but, because of the immensity of the task, it will be some considerable time before the 1961-based index is available.

Canadian manufacturing output, as measured by the index of total volume of manufacturing production, has shown an 80 per cent gain from the post World War II low in 1946 of 85.2 (1949=100) to 153.0 in 1961. In this 15-year period, there were only four years in which decreases were registered: 1954, with 2.8 per cent, 1957 and 1958 with 1.5 per cent each, and 1960, with 0.3 per cent. Seven years (1947, 1950, 1951, 1953, 1955, 1956 and 1959) had gains in excess of 5 per cent with the largest increases, 9.6 per cent and 9.4 per cent, occurring in 1955 and 1947, respectively.

In 1961 the 2.5 per cent gain in manufacturing comprised a greater increase in production of non-durable goods (3.4 per cent) than of durable goods (1.4 per cent). Almost all components of the non-durable goods group registered increases, ranging as high as 11.2 per cent for miscellaneous industries, Two other groups, leather products and textile products (except clothing) registered significant gains of 10.7 and 9.9 per cent, respectively, over the previous year. In terms of growth since 1949, the products of petroleum and coal, with an index of 258.8, led other groups by a fairly wide margin.

Changes in the major groups of durable goods were much less marked than for non-durables, with four of the six groups differing by less than two per cent from 1960. Two of these, iron and steel products and electrical apparatus and supplies,

showed gains of 1.5 and 1.3 per cent, respectively, while the other two, transportation equipment and non-ferrous metal products, were down by 0.2 and 0.5 per cent, respectively. The remaining two groups, wood products and non-metallic mineral products, registered gains of 2.6 and 4.4 per cent, respectively. The latter group also has shown the greatest overall growth since 1949, with an index of 220.2, followed by electrical apparatus and supplies with 182.6. Transportation equipment, with an index of 129.8, has shown the smallest gain since 1949.

Current detailed monthly data on the indexes of industrial production, both unadjusted and adjusted for seasonal variation, are available in the DBS publications Index of Industrial Production (Catalogue No. 61-005) and Canadian Statistical Review (Catalogue No. 11-003).

TABLE 4. Indexes of the Volume of Manufacturing Production, 1919-61 (1949-100)

Year	Total manu- facturing	Non-durable manu- facturing	Durable manu- facturing	Year	Total manu- facturing	Non-durable manu- facturing	Durable manu- facturing
1919	28- 1			1941	78. 7	73.7	85. 8
1920	26. 3			1942	96. 1	84.3	112. 1
1921	22. 9			1943	104. 0	85. 9	128. 2
1922	28. 7			1944	106. 1	89.5	128.3
1923	32. 8			1945	92, 9	88. 2	99. 8
1924	32. 8			1946	85. 2	89. 8	79. 9
1925	35. 6			1947	93. 2	93. 2	93.3
1926	38. 6			1948	97. 3	96.3	98. 4
1927	39. 1		• •	1949	100. 0	100.0	100.0
1928	43.5			1950	106. 2	106.0	106.5
1929	45.3			1951	115.0	110.8	119.9
1930	38. 1			1952	118.5	113.2	124.8
1931	32.7			1953	126. 4	120. 2	133.6
1932	28. 6			1954	122. 9	121. 2	124.8
1933	30.8			1955	134.7	130.4	139.7
1934	36.4			1956	145. 1	138. 1	153. 3
1935	39. 0	44.1	32. 7	1957	142.9	139. 7	146.7
1936	43.0	48. 1	36. 9	1958	140.7	141.3	139. 9
1937	49. 2	52.8	44.9	1959	149.8	150. 1	149.5
1938	45.3	49.0	40. 9	1960	149. 3	151.8	146.4
1939	48.7	53.7	42. 7	1961	153.0	157. 0	148.4
1940	60. 4	61. 6	59. 3				

¹ Based on the unrevised (1948) Standard Industrial Classification.

TABLE 5. Indexes of the Volume of Non-durable Manufacturing Production¹, 1935 - 61 (1949 = 100)

Year	Total non- durable manu- facturing	Foods and bever- ages	Tobacco and tobacco products	Rubber	Leather products	Textile products (except clothing)	Clothing (textile and fur)	Paper products	Printing, publishing and allied trades	Products of petroleum and coal	Chemi- cals and allied products	Miscel- laneous indus- tries
1935	44.1	44.5	31.1	49.8	70.8	49.7	57. 2	38.6	50. 2	37.8	31.4	31.4
	48.1	49.8	35.7	54.5	71.1	55.5	60. 5	42.4	53. 2	40.8	33.7	34.3
	52.8	53.1	41.4	63.6	78.1	59.8	65. 3	48.9	56. 5	44.9	39.3	37.1
	49.0	53.3	45.9	55.0	68.9	48.1	61. 3	39.3	52. 9	44.4	37.9	36.9
	53.7	56.3	49.2	60.4	80.3	59.5	67. 3	45.2	54. 7	48.1	40.7	38.6
1940	61.6	62.4	53.1	66. 0	85.7	81.8	78.2	54.3	54.6	53.6	49.8	42.6
	73.7	72.3	61.3	87. 5	104.2	91.7	88.4	61.6	60.6	61.1	77.2	60.8
	84.3	77.6	76.0	85. 3	110.8	102.0	100.9	61.5	61.2	59.4	126.5	88.5
	85.9	80.8	82.3	83. 3	111.6	93.8	97.7	60.0	59.7	65.1	135.1	112.1
	89.5	89.5	89.6	84. 4	110.5	87.9	91.7	63.9	61.4	73.6	142.8	113.0
1945	88.2	91.7	103.2	102.1	114.5	87.5	91.4	69.1	67.3	71.9	107.1	98.3
1946	89.8	98.0	90.6	89.5	124.0	88.7	95.3	81.0	76.9	74.3	78.0	80.2
1947	93.2	97.2	93.4	127.4	109.1	94.0	92.2	89.1	83.6	79.8	90.8	84.1
1948	96.3	98.5	93.4	116.4	95.5	97.3	97.6	94.9	92.6	89.9	95.7	81.4
1949	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1950	106.0	103.8	103.4	116.8	95.6	112.5	101.3	109.3	101.5	111.9	107.7	104.8
1951	110.8	106.8	95.0	124.9	90.4	113.1	101.2	117.5	105.1	128.5	120.0	119.0
1952	113.2	113.5	108.0	118.9	101.0	102.9	111.4	113.4	107.5	140.1	122.3	121.8
1953	120.2	117.4	120.3	130.3	106.4	107.9	115.0	118.1	114.7	153.5	139.9	141.1
1954	121.2	120.6	124.7	119.2	100.2	94.3	108.9	124.1	121.6	165.0	152.1	134.3
1955	130.4	126.8	135.5	141.0	106.9	114.0	112.8	131.0	127.1	188.3	165.5	136.4
1956	138.1	133.1	145.9	154.0	115.6	117.3	117.6	137.8	137.3	216.1	174.8	147.0
1957	139.7	135.6	161.0	147.8	115.6	117.6	116.8	135.5	138.2	223.5	183.4	153.3
1958	141.3	141.9	173.2	137.2	114.4	109.9	114.4	135.6	134.4	216.8	198.0	166.3
1959	150.1	147.6	179.9	161.1	120.3	124.4	113.1	144.7	143.2	241.5	208.4	183.2
1960	151.8	150.2	182.0	143.3	111.8	122.5	107.9	148.4	146.5	250.6	219.7	191.6
1961	157.0	154.2	193.6	145.7	123.8	134.6	107.1	153.4	148.2	258.8	222.1	213.0

¹ Based on the unrevised (1948) Standard Industrial Classification.

TABLE 6. Indexes of the Volume of Durable Manufacturing Production, 1935-61 (1949=100)

		(1010	- 100/				
Year	Total durable manufacturing	Wood	Iron and steel products	Trans- portation equipment	Non-ferrous metal products	Electrical apparatus and supplies	Non-metallic mineral products
1935	32.7 36.9 44.9 40.9 42.7	42.3 47.5 53.6 50.7 54.0	29. 2 33. 8 42. 9 36. 6 39. 1	34. 2 35. 5 43. 4 38. 1 37. 7	40. 1 46. 7 54. 4 55. 8 58. 4	22.9 25.0 32.5 28.0 28.4	24.6 29.8 38.2 34.3 35.7
1940 1941 1942 1943 1944	59.3 85.8 112.1 128.2 128.3	65.5 74.5 77.4 73.6 76.1	58:9 86:4 114:7 131:6 118:4	61.1 106.1 157.1 198.4 235.7	70.5 98.9 130.4 145.6 130.9	41.9 61.8 74.9 85.0 85.5	45.0 60.1 68.2 68.8 66.8
1945 1946 1947 1948	99.8 79.9 93.3 98.4 100.0	77.2 86.8 98.2 100.6 100.0	96.3 80.8 93.6 101.5 100.0	157.0 80.6 95.3 97.2 100.0	98.8 81.8 89.6 99.2 100.0	70.7 67.7 89.6 91.5 100.0	63.7 72.0 86.3 92.2 100.0
1950	106.5 119.9 124.8 133.6 124.8 139.7	108.2 114.8 115.8 125.4 124.2 136.4	102.5 117.0 118.9 115.3 106.2 123.8	108.3 131.3 149.1 165.2 137.3 145.1	104.0 114.1 112.2 120.1 117.0 127.5	112.5 120.7 124.5 150.9 151.7 176.2	111.0 119.8 122.8 139.2 146.1
1956	153.3 146.7 139.9 149.5 146.4 148.4	138.3 127.3 132.0 136.6 136.0 139.6	145.3 139.6 128.3 147.2 137.3 139.4	157. 9 151. 2 132. 5 131. 5 130. 0 129. 8	133.0 127.6 126.7 134.7 148.3 147.6	191. 3 183. 6 176. 2 184. 8 180. 2 182. 6	191.5 191.3 205.9 223.2 210.9 220.2

 $^{^{\}rm 1}$ Based on the unrevised (1948) Standard Industrial Classification.

TABLE 7. Changes in Indexes of Volume of Manufacturing Production, Five-year Periods, 1946-61

Industrial group ¹	Volume (1949 :	e index = 100)		P	ercentage chan	ige	
manorial group	1960	1961	1946 to 1951	1951 to 1956	1956 to 1961	1946 to 1961	1960 to 1961
All manufactures	149,3	153.0	+ 35.0	+ 26.2	+ 5.4	+ 79.6	+ 2.5
Non-durable goods	151.8	157.0	+ 23.4	+ 24.6	+ 13.7	+ 74.8	+ 3,4
Durable goods	146.4	148.4	+ 50.1	+ 27.9	- 3,2	+ 85.7	+ 1.4
Non-durable goods:							
Foods and beverages	150. 2	154.2	+ 9.0	+ 24.6	+ 15.9	+ 57.3	+ 2.7
Tobacco and tobacco products	182.0	193.6	+ 4.9	+ 53.6	+ 32.7	+ 113.7	+ 6.4
Rubber and rubber products	143,3	145.7	+ 39,6	+ 23.3	- 5.4	+ 62.8	+ 1.7
Leather products	111.8	123.8	- 27.1	+ 27.9	+ 7.1	- 0.2	+ 10.7
Textiles	122.5	134.6	+ 27.5	+ 3.7	+ 14.7	+ 51.7	+ '9.9
Clothing, including knitting mills	107.9	107.1	+ 6.2	+ 16.2	- 8.9	+ 12.4	- 0.7
Paper products	148.4	153.4	+ 45.1	+ 17.3	+ 11.3	+ 89.4	+ 3.4
Printing, publishing and allied industries	146.5	148.2	+ 36.7	+ 30.6	+ 7.9	+ 92.7	+ 1.1
Products of petroleum and coal	250.6	258.8	+ 72.9	+ 68.2	+ 19.8	+ 248.3	+ 3.3
Chemicals and allied products	219.7	222.1	+ 37.9	+ 45.7	+ 27.1	+ 155.3	+ 1.1
Miscellaneous industries	191.6	213.0	+ 48.4	+ 23.5	+ 44.9	+ 165.6	+ 11.2
Durable goods:							
Wood products	136.0	139.6	+ 32.3	+ 20.5	+ 0.9	+ 60.8	+ 2.6
Iron and steel products	137.3	139.4	+ 44.8	+ 24.2	- 4.1	+ 72.5	+ 1.5
Transportation equipment	130,0	129.8	+ 62.9	+ 20.3	- 17.8	+ 61.0	- 0.2
Non-ferrous metal products	148.3	147.6	+ 39.5	+ 16.6	+ 11.0	+ 80.4	- 0.5
Electrical apparatus and supplies	180. 2	182.6	+ 78.3	+ 58.5	- 4.5	+ 169.7	+ 1.3
Non-metallic mineral products	210.9	220.2	+ 66.4	+ 59.8	+ 15.0	+ 205.8	+ 4.4

¹ The components of the volume indexes are based on the unrevised (1948) Standard Industrial Classification.

SECTION C. PRINCIPAL STATISTICS OF THE MANUFACTURING INDUSTRIES, 1957-61

The three tables in this section bring together in readily accessible form principal statistics of the manufacturing industries on the basis of the revised (1960) Standard Industrial Classification and New Establishment Concept for the 1957-61 period, Tables 8 and 9, containing principal statistics by province and industrial group, respectively, differ from Tables 8 and 9 in the 1960 General Review for the 1957-60 period in that they include the effects of the implementation of the New Establishment Concept in addition to those of the revised Standard Industrial Classification. Table 10 consolidates, for the first time in one table, principal statistics by industrial group and individual industry at the Canada total level for the 1957-61 period on the basis of the revised Standard Industrial Classification and New Establishment Concept.

All three tables also incorporate other revisions and adjustments made to data for the 1957-61 period after their

publication in individual industry reports and in other general reports on the manufacturing industries for 1961.

It should be noted, however, that, as pointed out in Part I Section A, 1961 data will be republished in 1962 reports to give effect to the total activity concept of manufacturing establishments. In addition, the 1961 data published in 1962 reports will include any adjustments and revisions to statistics on manufacturing activity of individual industries necessary to bring them in line with reporting procedures for the 1962 Census and to reflect the final application of the new concept. Thus, the statistics for 1961 that will be shown in the 1962 reports will be directly comparable to the 1962 data and those for subsequent years. For the majority of industries, the figures on manufacturing activity published in 1962 reports will be comparable, for most items of principal statistics, to those shown in this report for the years 1957-61.

TABLE 8. Principal Statistics of the Manufacturing Industries, by Province, 1957-611

Statistics for selected years back to 1917 are given in Tables 2 and 3 of the General Review for 1959

	Deceil	Estab-	Adm	inistrative a		P	roduction wo	orkers
No.	Province	lish- ments	Male	Female	Salaries	Male	Female	Wages
			number		\$	nun	nber	\$
1 2 3 4 5	Newfoundland: 1957 1958 1959 1960 1961	465 422 468 396 338	1,401 1,316 1,312 1,195 1,383	322 294 284 313 307	6,712,353 6,494,039 6,914,889 7,385,049 8,002,591	6,958 6,550 6,627 6,914 7,307	996 903 872 896 899	25,375,440 22,149,651 23,076,565 24,937,121 27,967,214
6 7 8 9	Prince Edward Island: 1957	167 159 154 154 156	290 296 329 320 294	86 81 100 95 76	892,998 963,219 1,175,292 1,257,480 1,194,429	834 847 903 906 971	327 317 340 350 383	2,216,890 2,286,785 2,525,806 2,778,601 3,013,045
11	Nova Scotia: 1957 1958 1959 1960 1961	1,084	3,691	1,185	17,481,283	22,119	3,616	71,916,797
12		1,038	3,585	1,108	18,000,037	20,030	3,495	66,747,101
13		1,054	3,674	1,099	19,121,220	19,266	3,452	67,448,807
14		1,039	3,780	1,154	19,930,592	19,486	3,551	71,203,576
15		1,002	3,631	1,132	20,311,068	18,378	3,660	68,608,188
16	New Brunswick: 1957 1958 1959 1960 1961	858	2, 432	812	12,030,396	14, 807	2,614	48,030,594
17		813	2, 466	846	12,751,219	14, 460	2,782	48,098,688
18		779	2, 541	866	13,703,298	14, 361	2,752	49,567,905
19		768	2, 797	926	15,295,383	15, 346	3,042	55,958,641
20		708	2, 782	975	16,067,044	15, 553	3,133	57,825,324
21	Quebec: 1957 1958 1959 1960 1961	11, 295	70,342	26,515	432,056,118	255,219	92,886	1,036,006,646
22		10, 897	68,782	26,324	453,815,201	240,257	89,898	1,012,745,012
23		10, 671	68,953	26,213	472,365,720	241,737	90,113	1,064,579,076
24		11, 093	71,157	26,334	502,124,743	241,762	90,191	1,104,248,065
25		10, 955	68,960	25,574	504,204,417	237,958	91,237	1,122,367,772
26	Ontario: 1957 1958 1959 1960 1961	12, 162	110,576	45,706	734, 769, 381	386, 189	93,691	1,675,516,238
27		11, 858	108,953	44,701	770, 973, 104	355, 991	89,324	1,620,461,741
28		11, 727	107,346	44,005	796, 194, 974	366, 347	91,367	1,748,481,079
29		12, 090	108,314	44,147	823, 558, 744	353, 849	88,007	1,733,838,377
30		12, 081	105,535	43,164	819, 754, 354	351, 838	90,878	1,777,653,895
31	Manitoba: 1957 1958 1959 1960 1961	1,390	6,536	2,549	36,480,491	26,421	7,750	102,120,900
32		1,392	6,426	2,533	38,053,740	25,141	7,408	102,259,929
33		1,394	6,637	2,567	41,140,999	25,760	7,509	111,038,371
34		1,414	6,831	2,623	42,908,285	24,255	7,579	108,530,084
35		1,416	6,672	2,428	44,065,579	24,470	7,642	113,236,781
36	Saskatchewan: 1957 1958 1959 1960 1961	700	2, 289	844	11,807,136	7,547	990	28,363,375
37		729	2, 320	877	12,519,428	7,577	1,000	29,744,474
38		673	2, 288	919	13,555,599	7,781	1,047	32,242,449
39		682	2, 383	898	14,498,169	7,921	1,065	33,605,387
40		675	2, 258	909	14,156,325	7,910	1,072	34,791,437
41	Alberta: 1957 1958 1959 1960 1961	1,560	6,834	2, 290	36,800,038	25,016	3,680	96,415,609
42		1,436	6,674	2, 285	39,120,032	23,996	3,723	97,238,062
43		1,512	6,851	2, 377	42,365,070	25,058	3,951	105,645,282
44		1,586	7,033	2, 376	44,960,149	24,656	3,969	108,312,174
45		1,569	6,854	2, 232	45,414,125	24,806	4,029	111,934,359
46	British Columbia: 1957 1958 1959 1960 1961	3,849	15,884	4,984	97,021,880	74, 291	9, 266	305,372,919
47		3,688	15,396	4,924	99,793,588	69, 926	8, 733	303,726,984
48		3,632	15,560	4,870	105,849,967	71, 145	8, 516	312,526,047
49		3,616	16,031	5,128	113,312,999	69, 517	8, 255	321,243,918
50		3,502	15,406	5,067	112,008,822	68, 916	8, 129	328,188,954
51	Yukon and Northwest Territories: 1957 1958 1959 1960 1961	21	35	12	184,035	98	18	468, 030
52		14	24	7	155,505	94	16	516, 892
53		11	22	5	142,194	74	13	467, 590
54		14	25	6	147,558	79	14	467, 945
55		13	23	8	154,908	88	19	526, 338

¹ Basis: Revised Standard Industrial Classification and New Establishment Concept.

TABLE 8. Principal Statistics of the Manufacturing Industries, by Province, 1957-61

Statistics for selected years back to 1917 are given in Tables 2 and 3 of the General Review for 1959

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			1
9,677 9,063 9,095 9,318 9,896	32,087,793 28,643,690 29,991,454 32,322,170 35,969,805	7,267,576 6,864,471 6,508,777 6,783,240 7,064,044	52, 147, 846 50, 750, 623 52, 985, 299 57, 979, 769 60, 628, 868	56,750,770 56,127,739 63,490,184 70,009,989	113,729,661 114,069,901 116,664,179 126,980,575 137,224,209	3
1,537 1,541 1,672 1,671 1,724	3,109,888 3,250,004 3,701,098 4,036,081 4,207,474	388,099 397,129 438,676 459,696 463,018	16,815,326 18,102,166 18,465,061 19,981,913 21,191,058	6,679,423 6,997,212 8,025,905 8,131,146	22,895,951 25,153,353 25,792,452 28,414,952 30,041,039	8 9
30,611 28,218 27,491 27,971 26,801	89,398,080 84,747,138 86,570,027 91,134,168 88,919,256	10,146,274 8,959,202 8,794,901 9,839,371 10,011,626	221,051,345 202,678,706 205,910,478 207,705,372 206,463,487	150,306,892 154,723,362 171,493,455 159,218,497	377, 465, 226 365, 659, 667 370, 946, 777 387, 868, 633 375, 306, 900	12 13 14
20,665 20,554 20,520 22,111 22,443	60,060,990 60,849,907 63,271,203 71,254,024 73,892,368	14,035,501 13,088,695 13,856,193 15,032,162 15,415,406	170, 922, 172 167, 175, 646 170, 524, 670 204, 627, 317 223, 050, 728	128,009,521 129,965,912 154,697,415 159,979,430	306,025,882 306,991,845 314,219,616 369,107,808 397,456,695	18 18
444, 962 425, 261 427, 016 429, 444 423, 729	1,468,062,764 1,466,560,213 1,536,944,796 1,606,372,808 1,626,572,189	149, 420, 450 147, 263, 596 149, 423, 011 152, 371, 653 157, 135, 960	3,514,509,630 3,540,673,709 3,691,667,432 3,786,454,594 3,982,419,548	2,938,806,881 2,986,674,715 3,162,917,907 3,207,856,006	6,422,701,706 6,513,647,235 6,802,194,725 7,075,504,794 7,327,257,662	22
636, 162 598, 969 609, 065 594, 317 591, 415	2, 410, 285, 619 2, 391, 434, 845 2, 544, 676, 053 2, 557, 397, 121 2, 597, 408, 249	221,535,656 215,497,824 232,024,946 235,717,795 236,709,531	5,732,214,851 5,624,612,703 6,096,979,886 6,036,928,594 6,337,292,819	4,740,811,611 5,229,837,182 5,215,228,707 5,429,853,032	10,811,118,155 10,579,486,177 11,438,354,848 11,479,327,327 11,957,329,553	27 28 29
43,259 41,508 42,473 41,288 41,212	138,601,391 140,313,669 152,179,370 151,438,369 157,302,360	11,833,253 10,832,211 11,924,864 12,107,025 16,243,967	377, 444, 408 395, 047, 510 419, 481, 520 411, 598, 344 441, 440, 322	268, 481, 379 300, 642, 456 289, 426, 092 315, 235, 281	646, 202, 639 673, 913, 981 730, 630, 426 711, 218, 538 769, 894, 639	32 33 34
11,670 11,774 12,035 12,267 12,149	40,170,511 42,263,902 45,798,048 48,103,556 48,947,762	6,344,965 6,763,911 7,102,934 7,320,268 7,660,412	186, 843, 667 196, 028, 221 210, 480, 504 206, 739, 723 218, 815, 222	109,541,972 122,516,381 115,572,585 120,971,938	286,846,884 312,607,528 337,658,341 329,944,928 344,432,203	37 38 39
37,820 36,678 38,237 38,034 37,921	133, 215, 647 136, 358, 094 148, 010, 352 153, 272, 323 157, 348, 484	13, 115, 874 14, 054, 242 15, 357, 011 16, 306, 935 17, 271, 495	448,058,929 481,517,438 508,931,581 511,159,117 568,732,861	295,854,805 327,417,725 339,377,044 346,731,838	724,502,576 788,083,475 850,330,869 859,966,254 933,826,476	42 43 44
104,425 98,979 100,091 98,931 97,518	402,394,799 403,520,572 418,376,014 434,556,917 440,197,776	41,321,464 46,855,684 46,565,976 47,991,533 47,357,571	977, 170, 081 951, 517, 865 961, 976, 098 1, 007, 017, 712 1, 065, 073, 007	757,870,335 838,722,055 849,729,833 863,442,538	1,737,812,853 1,751,606,981 1,841,339,359 1,908,542,596 1,967,091,438	47 48 49
163 141 114 124 138	652,065 672,397 609,784 615,503 681,246	41,198 31,127 51,125 48,634 51,725	1,610,861 2,719,924 2,155,549 1,444,781 2,600,056	840,124 652,409 1,324,896 707,985	3,041,083 3,595,127 2,695,039 2,927,723 3,434,135	52 53 54

TABLE 9. Principal Statistics of the Manufacturing Industries, by Industrial Group, 1957-61¹
Statistics for significant years back to 1917 are given in Tables 2 and 3 of the General Region for 1950

Statistics for significant	rears back to	1917 are given	n in Tables 2 and	3 of the General F	eview for 1959	
Industrial group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	num	ber		doll	ars	
Food and beverage industries: 1957 1958 2959 1960 1961	7, 931 7, 788 7, 520 7, 598 7, 444	189, 104 187, 720 189, 180 190, 946 188, 855	583, 264, 985 616, 153, 967 655, 115, 110 681, 243, 759 687, 995, 973	2,691,887,295 2,923,313,031 2,949,210,111 2,962,518,410 3,148,673,188	1,510,341,647 1,588,321,413 1,651,527,604 1,704,714,596	4,134,738,077 4,486,279,569 4,622,535,859 4,668,363,133 4,905,434,328
Tobacco products industries: 1957 1958 1959 1960 1961	48 39 39 39 38	9, 905 10, 319 10, 287 9, 731 9, 442	33,322,821 37,143,602 38,078,218 38,354,483	161, 506, 746 207, 505, 828 214, 388, 129 218, 138, 783	97, 122, 781 109, 690, 496 115, 961, 261 128, 639, 932	249, 156, 127 305, 123, 555 324, 652, 469 334, 369, 583
1301	30	9,444	39, 153, 878	205, 297, 105	128, 639, 932	334, 983, 236
Rubber industries: 1957 1958 1959 1960 1961	86 87 86 89 93	22, 181 19, 948 21, 082 20, 298 18, 860	83,215,286 76,497,083 86,884,173 84,531,136 82,003,785	145, 566, 921 129, 641, 219 161, 815, 916 153, 839, 548 148, 683, 954	177, 811, 184 195, 196, 913 173, 810, 837 171, 593, 527	334,777,988 314,792,148 354,045,241 328,459,312 331,134,713
Leather industries:						
1957 1958 1959 1960 1961	614 591 572 580 555	31,573 30,784 31,415 30,266 31,413	78, 772, 892 80, 310, 813 83, 539, 195 83, 447, 741 89, 574, 243	123,386,477 126,235,856 144,713,086 133,298,689 151,406,469	121, 597, 212 130, 824, 863 129, 340, 597 140, 387, 914	240, 938, 095 250, 885, 681 273, 092, 719 265, 667, 310 291, 068, 523
Textile industries:		1				
1957 1958 1959 1960 1961	902 875 854 886 883	67, 046 62, 005 62, 304 60, 726 62, 544	197, 664, 399 188, 161, 250 198, 640, 400 202, 628, 083 212, 557, 789	407,063,334 386,981,683 423,705,296 423,491,645 468,001,049	316, 551, 539 353, 168, 525 362, 161, 960 392, 688, 681	736, 146, 913 725, 249, 663 785, 622, 807 795, 930, 026 875, 287, 700
Knitting mills:						
1957 1958 1959 1960 1961	306 316 313 356 358	22, 110 21, 272 21, 376 21, 179 21, 459	51, 484, 215 50, 793, 852 53, 338, 278 55, 282, 983 57, 469, 382	88, 908, 479 88, 430, 835 98, 359, 623 103, 835, 383 117, 361, 967	85, 243, 993 92, 383, 194 95, 008, 019 100, 641, 407	173,617,299 174,467,430 190,522,360 199,566,156 219,295,978
Clothing industries:						
1957 1958 1959 1960 1961	2,445 2,362 2,258 2,306 2,307	89, 425 86, 208 86, 181 86, 367 87, 728	213, 478, 406 213, 296, 412 222, 595, 144 225, 631, 897 234, 388, 479	394,501,483 385,911,317 397,650,055 400,715,963 427,523,380	344,786,144 357,028,852 363,834,687 377,072,432	735, 263, 514 734, 358, 464 751, 805, 834 762, 967, 070 801, 535, 491
Wood industries:		ļ				
1957 1958 1959 1960	6,808 6,021 6,002 5,730 5,251	88, 163 83, 788 86, 181 82, 734 80, 042	259, 609, 715 261, 040, 873 271, 218, 730 278, 188, 907 280, 330, 704	529, 836, 120 522, 788, 183 552, 701, 252 562, 403, 734 584, 792, 751	417, 422, 022 447, 687, 468 430, 612, 176 431, 372, 733	944,709,529 936,768,072 1,015,657,164 1,007,333,001 1,035,343,618
Furniture and fixture industries:						
1957 1958 1959 1960	1,986 1,835 1,898 2,070 2,089	33, 594 32, 411 33, 328 33, 738 33, 153	99, 757, 598 99, 684, 521 108, 307, 477 111, 006, 222 112, 445, 673	155, 817, 371 153, 700, 415 165, 973, 699 164, 161, 786 174, 635, 120	159, 889, 808 170, 688, 475 174, 560, 997 185, 102, 995	314, 801, 988 316, 877, 612 338, 150, 934 341, 989, 146 362, 062, 105
Paper and allied industries:						
1957 1958 1959 1960 1961	571 546 544 565 569	95, 067 93, 227 94, 435 95, 281 94, 862	406,020,959 410,854,694 431,800,115 458,223,407 471,137,165	891, 627, 899 885, 869, 435 938, 248, 927 978, 957, 863 1, 021, 502, 882	913,092,479 981,521,961 1,034,429,583 1,071,316,186	1,877,712,198 1,894,539,325 2,030,093,187 2,125,894,677 2,205,734,055

TABLE 9. Principal Statistics of the Manufacturing Industries, by Industrial Group, 1957-611 - Concluded

Industrial group	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	num	iber		dolla	urs	
Printing, publishing and allied industries:					and	
1957	3,340 3,258	70,944 69,738	269, 169, 049 284, 157, 788	228, 513, 748 236, 905, 216	500, 982, 248	704, 298, 471 742, 625, 186
1958	3,300	71,622	304,827,705	256, 237, 034	547, 105, 148	804, 768, 758
1960 1961	3,410 3,428	73,049 72,779	320, 280, 912 327, 900, 870	268, 632, 349 275, 716, 714	572, 282, 351 591, 099, 208	845, 827, 676 872, 292, 337
1901	0,120	12,110	021,000,010	210, 110, 111	551, 555, 255	0,2,302,00
Primary metal industries:						
1957	418	92,293	414, 523, 866	1,387,616,279	1,019,627,840	2,472,248,35
1958 1959	403 397	82,468 88,385	385,777,429 434,179,803	1,212,040,725	1,048,263,609	2, 199, 317, 65 2, 565, 092, 84
1960 1961	404 410	89, 258 87, 238	451,056,722 457,619,351	1,555,515,212 1,591,688,041	1,090,862,239 1,129,978,204	2,728,773,89 2,806,483,78
1501	410	01,200	451,015,001	1,551,000,041	1,120,010,201	2,000,100,10
Metal fabricating industries (except machinery and transportation equipment industries):						
1957	2,425	101,013	395, 246, 592	640,090,361	667, 409, 987	1,330,033,61 1,302,787,21
1958	2,591 2,576	94, 261 99, 049	382,430,335 419,920,330	614, 568, 848 683, 511, 999	732, 989, 522	1,420,315,25
1960	2,756 2,859	96,877 94,611	423,817,949 421,915,944	666, 231, 003 734, 400, 126	727, 154, 727 739, 018, 830	1,412,484,77 1,492,690,84
1961	2,009	94,011	421, 515, 544	134, 400, 120	133,010,030	1, 432, 030, 04
Machinery industries (except electrical machinery):						
1957 1958	483 511	45,876 41,131	180, 246, 239 172, 493, 327	265, 369, 678 257, 900, 353	276, 842, 174	596, 553, 59 544, 747, 63
1959	508	45,023	199, 876, 206	300, 149, 602	327, 674, 553	614, 035, 21
1960 1961	519 546	43,369 42,083	198, 501, 555 195, 606, 445	297, 538, 146 303, 943, 943	326, 987, 393 329, 763, 583	637, 673, 84 639, 739, 42
Transportation equipment industries:		111.001	#00 050 000	1 000 000 005		0 000 070 01
1957 1958	610 611	144,824	592, 253, 263 554, 564, 969	1,299,228,925 1,167,124,682	868, 381, 604	2, 269, 076, 31 2, 076, 429, 89
1959	630 677	113,706 109,160	532, 265, 959 519, 732, 421	1,127,179,611 1,098,058,054	894, 489, 851 866, 355, 179	2,011,433,11 1,999,758,03
1960 1961	671	107,709	522, 470, 347	1,130,170,158	828, 669, 699	1, 960, 777, 15
Electrical products industries:						
1957	503	89,962	351, 528, 490	555,847,811	E44 055 004	1,180,854,23
1958 1959	501 510	82, 290 81, 729	343, 221, 123 347, 239, 386	535, 277, 999 568, 951, 051	544,357,234 608,878,123	1,094,890,75 1,161,677,06
1960	536	78, 827	349, 171, 926 353, 568, 079	552, 102, 187 585, 351, 554	599, 605, 655 617, 534, 041	1, 161, 677, 06 1, 165, 736, 53 1, 205, 534, 32
1961	531	79, 531	353, 568, 079	305, 351, 35%	011, 554, 041	1, 200, 004, 02
Von-metallic mineral products:						
1957	1,153	38,879	145, 709, 478 156, 466, 774	203, 515, 285 217, 985, 178	345, 331, 758	571, 165, 14 600, 614, 11
1958 1959	1,172 1,176	39,466 41,886	172, 642, 697	235, 259, 274 229, 449, 762	377, 405, 806 366, 643, 786	655, 618, 84
1960	1,296 1,292	41,308	172, 425, 175 174, 087, 186	229, 449, 762 250, 116, 408	366, 643, 786 381, 393, 965	639, 089, 79 675, 012, 83
1961	1,254	40,120	114,001,100	200,120,100	552,555,555	010,012,0
Petroleum and coal products industries:						
1957	82 92	15,131 14,860	76, 799, 580	832, 240, 335 832, 281, 847 864, 765, 494	200, 696, 123	1,042,270,29 1,038,921,69
1958 1959	84	14,252	77, 820, 067 81, 544, 235 84, 245, 797	864, 765, 494	200, 696, 123 241, 801, 296	1,114,602,5
1960	91 91	14,315 14,053	84, 245, 797 85, 339, 864	866, 018, 119 920, 630, 338	282, 254, 861 290, 698, 500	1,150,421,6 1,220,193,7
1961	31	14,000	00,000,001	020,000,000	200,000,000	1,100,100,1
Chemicals and chemical products industries:		E0 500	219 125 000	519, 788, 789		1, 134, 398, 3
1957 1958	1,049 1,045	53, 536 53, 571	218, 135, 998 231, 082, 301	550, 373, 048	643, 585, 845	1,233,468,9
1959	1,042 1,063	53,630 53,840	239, 126, 454 251, 908, 643	584, 260, 150 585, 691, 534	676, 991, 704 728, 461, 679	1,310,153,94 1,357,688,4
1960 1961	1,063	52, 167	254,004,293	623, 943, 855	760, 927, 799	1, 433, 878, 15
Miscellaneous manufacturing industries:						
1957	1,791	40,322	127, 835, 716 136, 663, 751	176, 475, 780 195, 988, 813	243,880,091	409, 582, 53 441, 650, 6
1958	1,802 1,766	41,010 42,758	148, 988, 584	215, 083, 607	272, 165, 376	486,950,4
1960	1,881 1,928	44, 207 46, 289	160, 823, 322 171, 877, 519	231, 039, 066 263, 868, 974	279, 428, 432 309, 523, 448	511, 810, 0 574, 812, 5
1961	1, 520	10,200	,011,010			0,2,020,0

¹ Basis: Revised Standard Industrial Classification and New Establishment Concept.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^{\circ}$

Basis: Revised Standard Industrial Classification and New Establishment Concept

-		Basis: Revised Standard Indus		Estab-	Ac	iministrati	ve and		roduction	workers
No.	S.I.C. Code	Industrial group and industry		lish- ments	Male	Female	Salaries	Male	Female	Wages
					number	J	\$	nun	nber	\$
	1	1. Food and beverage industries:								
		Slaughtering and meat processors:								
1	1011	Slaughtering and meat packing plants	1957	156	4,088	1,346	23,733,918	15,551	3,602	67,954,994
2			1958	173	4, 162	1,353	25, 517, 718	15,840	3,829	74, 238, 450
3			1959	175	3,974	1,364	27,603,115	16,894	4,111	85, 450, 101
4			1960	204	4,080	1,323	28,678,179	16,217	3,994	84, 393, 017
5		,	1961	242	4,034	1,271	29, 298, 674	15, 988	3,782	83,626,571
6	1012	Animal oils and fats plants	1957	. 17	57	19	379,439	270	1	892,770
7			1958	18	67	20	449,575	289	2	1,001,704
8			1959	18	71	20	530, 281	288	_	1,101,588
9			1960	18	72	18	546,526	303		1,095,778
10			1961	17	80	18	509,471	346	7	1,347,335
11	1013	Sausage and sausage casing manufacturers	1957	96	295	98	1,741,947	949	501	4,084,706
12			1958	93	278	79	1,547,747	826	388	3,476,482
13			1959	83	269	77	1,562,767	779	411	3,571,943
14			1960	91	286	86	1,795,905	842	391	3,871,870
15			1961	85	269	72	1,826,693	827	410	3,799,944
		Dairy factories:								
16	1051	Butter and cheese plants	1957	1,143	1,837	732	6,732,905	4,589	279	12, 130, 223
17			1958	1,037	1,690	761	6,843,749	4,737	322	13,287,527
18			1959	1,000	1,715	832	8,015,188	5,510	379	17,022,413
19			1960	958	1,567	755	7, 223, 206	4,902	337	14,471,822
20	,		1961	914	1, 484	725	6,995,913	4,955	329	15,038,243
21	1053	Pasteurizing plants	1957	820	2,524	1,435	14,577,813	16,931	520	59,331,305
22			1958	820	2,669	1,490	15,761,507	17,162	526	62,805,896
23			1959	782	2,555	1,421	15,692,380	16,456	546	62,213,471
24			1960	773	2,631	1,500	16,794,819	17, 115	589	67, 153, 368
25			1961	732	2,384	1,414	15,603,645	17, 260	620	68,751,884
26	1055	Condenseries	1957	19	123	64	781,219	698	63	2,515,038
27			1958	19	128	68	836,622	811	70	2,950,946
28			1959	20	154	74	1,026,062	779	57	2,906,486
29			1960	22	152	78	1,039,697	822	65	3,222,500
30			1961	23	165	79	996,142	823	61	3,192,506
31	1056	Ice cream manufacturers	1957	45	200	118	1,236,650	821	187	3,004,771
32		1	1958	44	253	115	1,570,026	854	191	3,285,708
33		. 1	1959	44	237	115	1,642,706	919	209	3,695,133
34		1	1960	43	218	113	1,668,145	929	211	3,821,736
35	1	1	1961	41	188	118	1,510,911	958	199	4,056,361

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957 - 61^1$

Basis: Revised Standard Industrial Classification and New Establishment Concept

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No.
number			dollars			140.
24, 587	91,688,912	5,745,136	699, 569, 428		868, 167, 032	1
25, 184	99,756,168	5,968,666	831,669,522	175, 474, 794	1,008,632,509	2
26,343	113,053,216	6,372,200	881,370,710	203, 462, 030	1,097,768,522	3
25,614	113,071,196	6,378,985	828,837,283	192, 240, 890	1,024,170,111	4
25,075	112,925,245	6,502,108	893, 822, 118	182,740,227	1,080,913,148	5
347	1,272,209	366,112	2,792,703	• •	5, 933, 578	6
378	1,451,279	348,023	3,647,463	3,510,100	7,381,294	7
379	1,631,869	351,303	4,071,684	3,338,761	7,784,839	8
393	1,642,304	384,429	2,721,182	3, 224, 255	6,347,243	9
451	1,856,306	476,564	4, 187, 030	5,321,865	9,862,305	10
1,843	5,826,653	543, 163	21,500,137		33, 394, 136	11
1,571	5,024,229	465,400	20, 271, 095	10,932,513	31,519,353	12
1,536	5,134,710	454,463	18,896,567	11,358,126	30, 802, 346	13
1,605	5,667,775	470,132	20,743,761	11,967,313	32,896,905	14
1,578	5,626,637	494,003	22,020,687	11,854,110	34, 134, 370	15
				1		
7,437	18,863,128	5, 322, 495	224,763,670	* *	265,099,656	16
7,510	20, 131, 276	5,813,645	260, 695, 760	43, 384, 925	312,774,288	17
8,436	25,037,601	6, 164, 905	264, 415, 518	51, 110, 594	322, 374, 304	18
7,561	21,695,028	5,815,915	251, 910, 498	41,666,765	298, 709, 055	19
7,493	22,034,156	6,126,544	273,893,861	44,447,434	323, 899, 706	20
21,410	73,909,118	8,407,029	227, 309, 958	• •	356, 762, 639	21
21,847	78,567,403	8,556,972	242, 181, 239	123,058,065	375, 322, 879	22
20,978	77, 905, 851	8, 293, 574	241,988,390	125,395,851	375, 582, 410	23
21,835	83,948,187	8,760,327	256,862,753	136, 016, 223	401,871,570	24
21,678	84,355,529	8,698,238	267,020,276	136, 176, 755	411,616,839	25
948	3, 296, 257	1,161,476	46,977,625	• •	59, 218, 370	26
1,077	3,787,568	1,204,787	51,055,921	14,756,185	67, 307, 405	27
1,064	3, 932, 548	1, 185, 423	48,611,862	15,625,855	65,930,355	28
1,117	4, 262, 197	1,196,189	52,866,798	19,727,563	73,091,739	29
1,128	4, 188, 648	1, 278, 833	58, 297, 103	18,998,801	77, 086, 280	30
1,326	4,241,421	600,075	12,577,702	* *	21,907,614	31
1,413	4,855,734	578,568	13,101,584	9, 184, 607	22,915,314	32
1,480	5,337,839	673,740	16,616,852	9,842,609	27, 175, 537	33
1,471	5,489,881	750,018	17,556,970	11,546,285	29,641,989	34
1,463	5,567,272	784,441	19, 213, 047	12, 216, 409	32, 165, 940	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-611- Continued

	S.I.C.	Industrial group and industry		Estab-		dministrati office empl		P	roduction v	workers
0.	Code			ments	Male	Female	Salaries	Male	Female	Wages
					number		\$	nun	ber	\$
		1. Food and beverage industries - Continued:								
1	107	Process cheese manufacturers 1	.957	12	202	65	1,354,970	475	328	2, 497, 16
2		1	958	12	216	119	1,563,625	524	344	2, 874, 42
3			959	12	198	65	1, 678, 538	526	268	2, 836, 11
4			960	11	197	72	1,829,508	563	285	3, 090, 17
5		1	.961	10	199	66	1,910,867	560	270	3, 203, 65
6	111	Fish products industry 1		410	1, 249	332	5, 689, 000	8, 033	3, 453	21,730,8
7			.958	426	1, 245	302	5, 684, 819	8,098	3, 589	22, 557, 80
8			959	400	1,320	318	5, 944, 788	7,898	3, 397	21, 787, 88
9			960	387	1,350	363	6, 875, 484	8,061	3, 625	22, 954, 0
.0		, . 1	.961	340	1, 267	349	6, 650, 398	8,061	3, 865	23, 783, 4
.1	112	Fruit and vegetable canners and preservers 1		385	2,038	1,096	12, 244, 064	7, 254	6, 810	30, 415, 2
2			958	353	1,882	1,041	12,679,243	6,637	6,077	29, 408, 1
3			959	336	1,883	1,013	13, 282, 504	6, 598	5, 991	29, 928, 7
5			.960	337	2, 130	1,056	14, 798, 248	6,918	6, 216	33, 004, 3
.0			.961	335	1,926	1,044	14, 890, 183	7,074	6, 423	34, 561, 6
		Grain mills:								
6	123	Feed manufacturers 1	957 1	1,007	1,654	473	6, 391, 061	4,679	135	12,770.9
7		1	.958	989	1,629	533	7, 362, 889	4,832	109	14, 341, 5
8			959	963	1,612	519	7,770,735	4,883	84	15,070,9
9			.960	970	1,639	505	8,027,326	4,745	94	15, 315, 9
20		1	.961	958	1,725	519	8, 836, 726	4,698	97	15, 676, 1
21	124	Flour mills 1	957	59	941	424	5, 278, 211	2,837	136	9,680,9
22			958	57	981	428	5,555,588	2, 791	135	10, 138, 2
23			959	57	909	415	6,034,529	2,710	137	10, 544, 7
5			960	55	922	418	6, 324, 541	2,732	139	11, 227, 3
20			961	54	874	426	6, 236, 440	2,519	145	10, 684, 7
6	125	Breakfast cereal manufacturers 1		21	168	98	1, 171, 727	753	409	3, 882, 9
27			958	20	159	101	1, 241, 468	721	383	4,038,4
9			959	19	176 189	107 114	1,537,932	766 761	380 388	4,318,0
0			961	19	190	123	1, 675, 280 1, 715, 169	775	383	4,617,6
-		Bakery products industries:								
31	128	Biscuit manufacturers 1	957	45	442	297	3, 049, 201	2,336	3, 202	12, 795, 6
2			958	45	465	269	3, 178, 905	2, 170	3, 108	13, 083, 1
3		1	959	45	471	257	3, 443, 497	2, 183	3, 063	13, 702, 2
4			960	48	503	266	3,903,217	2, 222	3, 028	14, 056, 8
5		1	961	48	498	285	3, 767, 477	2, 164	2,998	14, 547, 2
6	1291	Bakeries 1	957 2	2,557	3, 873	1,390	16, 634, 434	22, 314	7, 020	81, 176, 1
37		1	1958 2	2, 554	3,835	1,212	17,829,730	22, 431	7, 262	86, 934, 9
8				2, 451	3,934	1, 202	18, 389, 204	22,952	7,415	91, 500, 3
19				2, 539	4, 172	1, 229	19,992,360	23,510	7, 431	95, 264, 7
0		1	961 2	2,529	3,758	1,232	19, 172, 391	23, 295	7, 352	96, 580,

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957 - 61^1$ — Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
number			dollars		
	1	1			
1,070	3, 852, 139	180, 417	23, 060, 813		35, 639, 409
1,203	4, 438, 049	173, 550	26, 829, 488	15, 085, 819	42, 132, 153
1,057	4,514,655	181,108	26, 418, 031	16, 265, 893	42, 537, 083
1, 117	4,919,681	200, 636	27, 205, 395	16,754,658	43,725,451
1,095	5, 114, 520	186, 759	28, 632, 088	18, 129, 270	46, 736, 373
13,067	27, 419, 800	2,931,200	89,741,600		137, 345, 821
13, 234	28, 242, 624	2,869,104	114,851,008	56, 325, 383	169,004,909
12,933	27, 732, 674	2,941,253	95, 380, 608	49, 474, 443	147, 694, 445
13,399	29, 829, 560	2,701,751	94,607,026	48,032,357	155, 361, 347
13, 542	30, 433, 891	2,950,572	110, 691, 831	59, 475, 093	169, 825, 334
17, 198	49 650 950	0.500.400	450 404 500		
15, 637	42,659,352 42,087,418	3, 538, 430	170, 434, 726 171, 193, 640	00 110 000	259, 089, 614
15, 485	43, 211, 222	3, 378, 736 3, 402, 992	165, 436, 861	96, 116, 232	270, 012, 303
16,320	47, 802, 603	3,762,418	188, 519, 531	107, 506, 533 119, 717, 626	280, 619, 093 307, 328, 603
16, 467	49, 451, 789	4, 144, 550	198, 676, 777	131, 226, 180	328, 098, 257
		7, 21, 000	200,010,111	101, 220, 200	020, 000, 201
6,941	19, 162, 028	3, 696, 792	170 000 700		000 545 080
7, 103	21,704,392	3, 638, 711	170, 960, 780	65 001 270	222, 515, 270
7, 098	22, 841, 714	3, 877, 523	201, 934, 224 206, 040, 381	55, 861, 378	260, 511, 647
6, 983	23, 343, 233	3, 918, 421	197, 110, 044	60, 188, 991 57, 017, 263	269, 000, 437
7,039	24, 512, 868	4, 505, 774	225, 930, 728	59, 617, 185	258, 537, 492 289, 660, 606
		2,000,112	440,000,120	00,021,200	200,000,000
4,338	14, 959, 155	1,731,210	168, 304, 734		202, 885, 240
4,335	15, 693, 864	1,781,813	173, 348, 662	41,575,349	216, 332, 333
4,171	16, 579, 250	1,778,817	170,011,626	45,766,629	217, 460, 586
4, 211	17, 551, 863	1,837,793	176, 198, 999	44,510,015	222, 549, 004
3,964	16, 921, 164	1,685,756	173, 682, 471	45, 274, 550	220, 586, 667
1,428	5, 054, 721	458, 429	13, 665, 258		32, 987, 485
1,364	5, 279, 895	476, 985	13, 868, 922	21, 984, 089	36, 082, 424
1,429	5, 855, 990	461, 236	14, 595, 642	22, 161, 757	37, 290, 200
1,452	6, 292, 916	512, 360	15, 547, 786	24,727,149	40, 377, 941
1,471	6, 629, 585	520, 301	15, 650, 720	23, 632, 380	40, 036, 251
6, 277	15, 844, 816	1, 134, 468	39, 214, 962		76, 709, 959
6,012	16, 262, 026	1,096,838	38, 832, 803	39, 714, 718	79,731,273
5,974	17, 145, 774	1,094,758	39, 888, 099	41,031,419	81, 782, 531
6,019	17, 960, 047	1, 130, 551	41,679,358	41,373,382	84, 199, 241
5,945	18, 314, 735	1,099,062	42, 221, 627	44, 616, 114	87, 647, 846
34, 597	97, 810, 574	11, 226, 241	152, 435, 661		324, 179, 148
34,740	104, 764, 654	10, 877, 484	153, 680, 030	168, 681, 409	333, 227, 711
35, 503	109, 889, 530	10, 750, 981	155, 165, 980	179,726,292	342, 599, 239
36, 342	115, 257, 096	10, 872, 306	163, 313, 003	185, 106, 997	359,048,001
35,637	115, 753, 102	10, 846, 436	164, 609, 027	194, 337, 555	369, 637, 256

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-611 - Continued

		1957	-61¹ -	- Co	ntinued					
	S.I.C. Code	Industrial group and industry	lis		A	dministrati	ve and loyees	P	oduction v	vorkers
No.	Code		me	nts	Male	Female	Salaries	Male	Female	Wages
				l	number		\$	nur	nber	. \$
		1. Food and beverage industries - Continued:				1				
		Other food processors:								t.
1	131	Confectionery manufacturers	57	200	752	597	5, 333, 407	3,628	4,883	19, 491, 243
2		198	88	197	793	618	5,830,411	3,557	4,645	20, 170, 188
3		198	9	199	823	613	6, 109, 112	3,460	4, 448	20,709,916
4		196	30	206	782	643	6,490,361	3,524	4, 548	21, 435, 110
5		196	31	194	743	634	6, 453, 528	3,420	4,358	21, 634, 989
6	133	Sugar refineries	57	11	443	106	2, 796, 130	2,502	255	9,337,375
7		195	8	11	481	132	3, 124, 703	2,385	272	9, 548, 433
8		198	9	12	538	143	3,613,433	2,455	291	9,954,595
9		196	0	12	519	125	3,820,380	2,262	307	10,017,601
10		196	1	11	462	127	3,928,610	2, 185	272	9,841,734
11	135	Vegetable oil mills 198	7	11	188	64	1,254,021	401	3	1,409,025
12		195	8	11	182	60	1,309,851	371	1	1, 365, 383
13		195	9	10	195	62	1,425,194	365	3	1,428,120
14		196	0	11	138	39	1,024,260	375	3	1,538,129
15		196	1	12	137	32	1,060,429	364	4	1,515,995
16	1391	Macaroni manufacturers 195	7	16	51	24	411, 288	395	207	1,389,768
17		195	8	17	73	44	572, 254	414	232	1, 588, 246
18		195	9	16	65	40	584,830	389	252	1,727,291
19		196	0	17	70	37	638, 177	425	301	1,837,447
20		196	1	18	63	36	581, 521	451	306	2,021,491
21	1392	Miscellaneous food manufacturers 195	7 2	272	1,826	1, 151	13, 281, 470	4, 152	2,750	19,345,838
22		195	8 2	264	1,777	1,070	14, 447, 735	4, 140	2, 685	20, 276, 299
23		195	9 2	263	1,919	1, 129	16, 404, 931	4, 238	2,856	22,036,334
24		196	0 2	272	1,970	1, 249	17,772,482	4,482	2,942	23, 280, 376
25		196	1 2	267	2, 110	1, 203	18,014,401	4,570	3,039	25,080,090
		Beverage manufacturers:								
26	141	Soft drink manufacturers	7 5	534	1,891	694	11,007,904	4,800	423	13, 556, 937
27		195	8 5	535	1,840	706	11,708,701	4,628	369	13, 975, 291
28		195	9 5	521	1,951	728	12,567,032	4,677	339	15, 168, 573
29		196		512	1,996	780	13, 392, 300	4,752	323	16,048,559
30		196	1 5	502	1,937	829	13,616,226	4,788	286	16, 149, 543
31	143	Distilleries 195	7	19	716	332	5,034,158	2,636	1, 489	14,591,793
32		195	8	19	736	337	5, 442, 135	2,563	1, 329	14,672,090
33		195	9	19	780	351	6,047,199	2,425	1, 254	14,821,655
34		196	0	19	778	360	6,310,757	2,316	1,059	14, 271, 057
35		196	1	19	854	440	7, 439, 742	2, 108	921	13,561,545

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957 - 61^1 - \text{Continued}$

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	-
number			dollars			+
			WOILERS			
9,860	24,824,650	1,474,914	68,526,092	••	130,408,732	
9,613	26,000,599	1,474,570	73,301,578	62, 438, 397	137, 262, 638	۱
9,344	26,819,028	1,460,498	70, 224, 603	60,939,553	133, 247, 072	Ì
9,497	27,925,471	1,503,063	71,536,586	67,701,852	139, 981, 271	۱
9, 155	28,088,517	1,532,734	71, 244, 799	68, 366, 277	140,537,003	
3,306	12, 133, 505	3,078,050	112,378,384	4.4	155,022,877	
3,270	12,673,136	3, 131, 181	91, 854, 350	42, 575, 601	137,008,506	
3,427	13,568,028	3, 134, 704	88,349,828	25,637,632	125, 731, 305	
3,213	13,837,981	2,836,133	91, 132, 274	43,988,147	130, 405, 175	
3,046	13,770,344	2,684,782	86, 345, 969	41, 365, 699	133, 453, 375	
656	2,663,046	756,414	50,899,324	• •	60,951,564	
614	2,675,234	818,662	45, 502, 890	8, 115, 210	53, 795, 209	ı
625	2,853,314	845,281	46,989,078	9,913,597	57, 677, 128	ı
555	2,562,389	915,993	49, 377, 497	9, 158, 867	59, 242, 353	
537	2, 576, 424	889,324	53,983,095	8,724,504	62,674,794	
677	1,801,056	205,915	6,960,869		13, 222, 139	
763	2, 160, 500	214, 820	8,707,869	6,757,740	15, 762, 806	
746	2,312,121	243,494	8,648,886	7,450,044	16, 288, 424	
833	2,475,624	271,991	9, 355, 474	8,364,038	17,801,834	
856	2,603,012	289,871	10,027,078	8,672,786	18,800,089	
9,879	32,627,308	3, 994, 175	227, 822, 319	• •	342,992,584	
9,672	34,724,034	4,070,448	223, 648, 269	127, 315, 590	353,905,755	
10,142	38,441,265	4,032,999	220, 473, 742	128, 632, 201	354,074,372	
10,643	41,052,858	4, 259, 809	234, 374, 471	144, 205, 060	380, 942, 308	
10,922	43,094,491	4,436,890	252,773,582	152, 206, 365	408, 178, 870	
7,808	24, 564, 841	3,777,770	45, 488, 922	**	138, 915, 292	1
7,543	25, 683, 992	3,804,530	45, 156, 854	101, 340, 887	150, 194, 755	
7,695	27,735,605	4,027,495	47, 260, 605	109, 293, 658	160, 270, 677	
7,851	29,440,859	4, 187, 255	49,553,621	110,630,851	164, 277, 040	
7,840	29,765,769	4, 381, 157	52,871,111	116,068,270	172,647,090	
5, 173	19,625,951	2,645,679	51,390,690	• •	146,797,355	
4,965	20, 114, 225	2,486,821	54,643,097	104, 230, 025	157,080,129	1
4,810	20,868,854	2,339,064	53,050,324	112, 139, 776	168, 751, 729	,
4,513	20,581,814	2,309,505	55,028,264	115, 911, 421	170,695,195	1
4,323	21,001,287	2, 227, 831	55,038,271	113, 895, 198	169, 207, 919	

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957 - 611 - Continued

	1957 - 611 — Continued										
	S.I.C. Code	Industrial group and industry		Administrative and office employees			Production workers				
No.			ments	Male	Female	Salaries	Male	Female	Wages		
				number		\$	nu	mber	\$		
		1. Food and beverage industries - Concluded:						1			
		Beverage manufacturers - Concluded:									
1	145	Breweries	57	1,484	462	10 000 059	6 407	10	00 040 100		
2		1958	55	1,445	467	10, 960, 953	6, 427	50	26, 042, 193		
3		1959	56	1, 472	492	12, 343, 689	6, 029	38	26, 274, 556		
4		1960	54	1,548	500	13, 688, 768	5,778	38	28, 416, 248		
5		1961	54	1,551	457	13, 321, 723	5,576	. 39	27, 559, 826		
		,				,,	0,010		21,000,020		
6	147	Wineries	19	126	46	1,006,314	302	44	1, 154, 885		
7		1958	19	120	51	1, 078, 166	314	39	1, 288, 645		
8		1959	19	100	48	1, 052, 596	306	40	1,311,379		
9		1960	19	108	47	1, 139, 139	346	37	1,389,041		
10		1961	20	122	49	1, 174, 849	321	35	1,353,784		
11		Totals, foods and beverage industries 1957	7, 931	27, 168	11, 463	152, 082, 204	113, 733	36, 740	431, 182, 781		
12		1958	7, 788	27, 106	11, 376	162, 571, 468	113, 281	35, 957	453, 582, 499		
13		1959	7, 520	27, 321	11,405	174, 302, 242	114, 485	35, 969	480, 812, 868		
14		1960	7, 598	28,017	11, 676	185, 449, 065	114, 902	36, 351	495, 794, 694		
15		1961	7,444	27, 020	11, 548	185, 512, 129	114, 086	36, 201	502, 483, 844		
		2. Tobacco products industries:									
16	151										
17	191	Leaf tobacco processing	15	180	24	1, 091, 907	687	642	2, 881, 182		
18		1958	14	206	31	1, 294, 170	882	724	3, 705, 124		
19		1959 1960	15	200	30	1, 295, 242	1,071	630	3, 794, 976		
20		1961	15 16	215	33	1, 481, 878	1,016	607	3, 964, 426		
		1901	10	200	30	1, 477, 879	1,035	352	3,744,690		
21	153	Tobacco products manufacturers 1957	33	686	427	5,711,220	2,582	4, 677	23, 638, 512		
22		1958	25	713	474	6, 583, 904	2,703	4, 586	25, 560, 404		
23		1959	24	795	477	7, 108, 351	2,695	4,389	25, 879, 649		
24		1960	24	825	499	7, 458, 503	2,687	3,849	25, 449, 676		
25		1961	22	799	527	7, 592, 645	2,717	3, 774	26, 338, 664		
26		Totals, tobacco products industries 1957	48	866	451	6, 803, 127	3,269	5,319	26, 519, 694		
27		1958	39	919	505	7, 878, 074	3, 585	5, 310	29, 265, 528		
28		1959	39	995	507	8, 403, 593	3, 766	5, 019	29, 674, 625		
29		1960	39	1,040	532	8, 940, 381	3, 703	4, 456	29, 414, 102		
30		1961	38	1,007	557	9, 070, 524	3, 752	4, 126	30, 083, 354		
		2 Pubbos industrias									
		3. Rubber industries:									
31	161	Rubber footwear manufacturers 1957	7	486	249	2, 998, 523	2,655	2, 068	11, 914, 853		
32		1958	7	509	232	3,024,752	2,300	1,677	. 10, 537, 381		
33		1959	7	505	251	3, 142, 347	2,400	1,798	12,009,418		
34		1960	6	419	230	2, 536, 020	1, 998	1, 629	10, 307, 158		
35	. 1	1961	6	435	228	2, 610, 868	1,871	1, 489	10, 058, 800		

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^{1}$ - Continued

N	Selling value of factory shipments	Value added by manufacture	Cost at plant of materials used	Cost of fuel and electricity	Total salaries and wages	Total employees
			dollars		,	number
	229, 744, 346	••	59, 229, 700	3, 252, 200	37, 003, 146	8,413
	230, 965, 294	171, 448, 064	55, 655, 573	3, 181, 897	37, 708, 857	8, 148
	243, 356, 839	182, 464, 515	57, 936, 492	3, 224, 608	40, 348, 477	8, 031
	250, 022, 580	188, 855, 415	58, 050, 386	3, 289, 028	42, 105, 016	7, 864
	259, 438, 200	197, 398, 696	59, 061, 535	3, 299, 748	40, 881, 549	7, 623
	14, 848, 217		5, 881, 238	177, 050	2, 161, 199	518
	17, 416, 682	10, 474, 567	7, 681, 190	165, 210	2, 366, 811	524
	16, 736, 386	9, 594, 654	7, 367, 742	174, 646	2, 363, 975	494
	17, 139, 685	9,083,212	8, 429, 450	177, 828	2, 528, 180	538
1	18,589,810	9, 952, 873	8,778,357	183, 785	2, 528, 633	527
	4, 134, 738, 077	••	2, 691, 887, 295	66, 404, 840	583, 264, 985	189, 104
	4,486,279,569	1,510,341,647	2, 923, 313, 031	66, 577, 421	616, 153, 967	187, 720
	4, 622, 535, 859	1, 588, 321, 413	2, 949, 210, 111	67, 467, 065	655, 115, 110	189, 180
	4, 668, 363, 133	1, 651, 527, 604	2, 962, 518, 410	68, 442, 836	681, 243, 759	190, 946
	4, 905, 434, 328	1, 704, 714, 596	3, 148, 673, 188	70, 226, 063	687, 995, 973	188, 855
	67, 608, 129	**	60,711,945	276, 821	3, 973, 089	1,533
	109, 459, 315	11, 323, 624	97, 803, 759	331, 932	4, 999, 294	1,843
	113, 659, 310	11, 458, 220	101, 860, 628	340, 462	5, 090, 218	1,931
	117, 854, 831	12, 813, 235	104, 719, 177	322, 419	5,446,304	1,871
	105, 026, 789	21, 176, 148	82, 821, 722	323, 544	5, 222, 569	1,625
	181, 547, 998	•• :	100, 794, 801	567, 793	29, 349, 732	8,372
	195, 664, 240	85, 799, 157	109, 702, 069	569, 450	32, 144, 308	8, 476
	210, 993, 159	98, 232, 276	112, 527, 501	562, 269	32, 988, 000	8,356
	216, 514, 752	103, 148, 026	113, 419, 606	652, 848	32, 908, 179	7,860
	229, 956, 447	107, 463, 784	122, 475, 383	711, 658	33, 931, 309	7,817
	249, 156, 127	••	161, 506, 746	844,614	33, 322, 821	9, 905
	305, 123, 555	97, 122, 781	207, 505, 828	901, 382	37, 143, 602	10, 319
	324, 652, 469	109, 690, 496	214, 388, 129	902, 731	38, 078, 218	10, 287
	334, 369, 583	115, 961, 261	218, 138, 783	975, 267	38, 354, 483	9, 731
1	334, 983, 236	128, 639, 932	205, 297, 105	1, 035, 202	39, 153, 878	9,442
	37, 684, 881	••	14, 476, 171	580, 831	14, 913, 376	5 450
	34, 476, 297	20, 417, 828	12, 250, 954	564, 312	13, 562, 133	5,458 4,718
	38, 586, 375	22, 364, 035	15, 738, 469	597, 921	15, 151, 765	
	31, 361, 187	17, 882, 862	13, 403, 560	432, 637	12, 843, 178	4, 954 4, 276
1 3		11,004,004				

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,

		1957 - 6	11 - Col	ntinued						
	S.I.C.	Industrial group and industry	Estab-		dministrati office empl		Production w		vorkers	
	Code		ments	Male	Female	Salaries	Male	Female	Wages	
No.				number	!	\$	nun	nber	\$	
		3. Rubber industries - Concluded:								
1	163	Rubber tire and tube manufacturers 1957	8	1,513	660	10,326,006	6,038	377	26,870,729	
2		1958	8	1,586	603	10, 176, 604	5,370	301	23,894,240	
3		1959	8	1,682	571	11,243,157	5,977	323	29, 241, 727	
4		1960	9	1,576	591	11,686,641	5,645	282	26,945,810	
5		1961	10	1,432	504	10,772,704	5,328	238	27, 241, 246	
6	169	Other rubber industries	71	1,799	708	11,795,203	4,538	1,090	19,309,972	
7		1958	72	1,615	657	11, 156, 373	4,064	1,034	17,707,733	
8		1959	71	1,627	710	12,099,588	4,174	1,064	19, 147, 936	
9		1960	74	1,673	696	12,542,060	4,341	1,218	20,513,447	
10		1961	77	1,433	566	10, 842, 547	4,187	1,149	20,477,620	
11		Totals, rubber industries 1957	86	3, 798	1, 617	25, 119, 732	13, 231	3, 535	58, 095, 554	
12		1958	87	3, 710	1,492	24, 357, 729	11, 734	3, 012	52, 139, 354	
13		1959	86	3, 814	1,532	26, 485, 092	12,551	3, 185	60, 399, 081	
14		1960	89	3, 668	1, 517	26, 764, 721	11, 984	3, 129	57, 766, 415	
15		1961	93	3, 300	1, 298	24, 226, 119	11, 386	2,876	57, 777, 666	
		4. Leather industries:								
16	172	Leather tanneries	50	360	120	2,166,503	3,123	305	10,395,142	
17		1958	48	297	150	2,464,369	2,996	300	10,637,069	
18		1959	46	301	145	2,588,539	2,886	297	10, 088, 471	
19		1960	46	320	103	2,538,883	2,575	250	9, 599, 457	
20		1961	44	309	111	2,352,822	2,823	295	11, 219, 542	
21	174	Shoe factories	253	1,649	836	10,375,802	9,143	8,624	38,777,171	
22		1958	247	1,669	847	10,751,022	9,017	8,602	39, 532, 281	
23		1959	246	1,687	893	11,191,823	9,334	8,966	42,316,685	
24		1960	249	1,654	892	11,602,762	8,904	8,785	41,668,250	
25		1961	237	1,621	880	11,715,781	9,002	9,363	45,383,795	
26	175	Leather glove factories	63	130	57	683,020	566	956	2,815,331	
27		1958	58	106	55	592,863	479	795	2,472,660	
28		1959	57	107	52	710, 128	468	814	2,570,807	
29		1960	56	111	51	741,897	446	767	2,658,103	
30		1961	56	107	46	737, 434	458	751	2,732,259	
		Luggage, handbags and small leather goods manufacturers:								
31	1792	Boot and shoe findings manufacturers 1957	39	115	64	687, 080	686	330	2, 215, 032	
32		1958	43	137	73	937,853	783	385	2,706,887	
33		1959	38	122	71	866, 820	679	405	2,457,050	
34		1960	39	140	76	941, 482	635	374	2,525,061	
35		1961	37	128	76	896,078	671	401	2,672,953	

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^1-\text{Continued}$

Total employees and wages celebrary class of materials and wages celebrary class celebrary class and wages celebrary class cel								-
Bumber		salaries	1	fuel and	of materials	added by	of factory	No
8,588 37,196,735 2,575,727 88,970,388 198,330,289 1 7,860 34,070,844 2,479,928 50,058,023 106,202,355 188,489,413 2 8,583 40,484,884 2,733,121 101,756,969 111,703,386 209,305,956 3 8,094 38,632,451 2,620,733 51,091,348 91,257,412 131,919,924 4 7,502 38,013,950 2,674,907 67,174,440 84,855,754 180,248,120 5 8,135 31,105,175 1,849,173 42,120,362 98,689,818 6 7,570 28,864,106 1,989,576 37,332,242 51,191,001 91,826,438 7 7,575 31,247,524 2,103,860 44,320,478 61,129,492 106,152,910 8 7,928 33,055,507 2,170,057 49,344,640 64,670,563 115,178,201 9 7,335 31,320,167 2,202,904 49,053,942 67,275,197 118,307,930 10 22,151 83,215,286 5,005,731 145,566,921 334,777,988 11 15,948 76,497,083 5,034,114 129,641,219 177,811,184 314,789,148 12 21,082 86,884,173 5,423,093 161,815,916 195,196,913 334,462,841 13 20,238 84,331,136 5,223,477 135,839,548 173,819,548 173,819,342 13,860 82,003,785 5,276,047 186,883,934 173,839,527 331,134,713 15 3,908 12,561,645 1,160,683 20,637,018 48,944,513 15 3,043 13,101,438 1,107,710 30,640,591 20,184,500 52,194,536 17 3,538 13,572,394 1,079,300 38,364,107 19,495,638 57,862,467 20 20,252 49,152,973 795,338 69,265,521 142,203,116 21 20,252 49,152,973 795,338 69,265,521 142,203,116 21 20,255 49,152,973 795,338 69,246,521 142,203,116 21 20,255 49,152,973 795,338 69,265,521 142,203,116 21 20,255 49,152,973 795,338 69,265,521 142,203,116 21 20,255 49,152,973 795,338 69,265,521 142,203,116 21 20,255 49,152,973 795,338 69,265,521 142,203,116 21 20,255 49,152,973 795,338 69,245 77,018 89,563,348 173,123,881 12 20,256 49,152,973 795,338 69,265,521 142,203,116 21 20,257 49,152,973 795,338 69,245 77,018 89,563,348 173,123,881 13 20,288 57,096,576 784,499 83,970,518 89,563,348 173,123,881 14 20,285 57,096,576 784,499 83,970,518 89,563,348 173,123,881 23 20,886 57,096,576 784,499 83,970,518 89,563,348 173,123,881 23 20,886 57,096,576 784,499 83,970,518 89,563,348 173,123,288 23 20,886 57,096,576 784,499 83,970,518 89,563,348 173,123,23,881 14,441 3,280,935 58,115 4,9	number				dollars			110.
7,880 34,070,844 2,479,928 80,058,023 106,202,935 188,489,413 2 8,553 40,484,884 2,273,312 101,756,969 111,763,386 209,305,956 3 8,004 38,632,451 2,630,733 91,001,348 91,257,412 181,919,024 4 7,502 38,013,950 2,674,507 87,174,440 84,855,754 180,248,120 8,135 31,105,175 1,849,173 42,120,382 98,699,818 6 7,370 28,884,106 1,889,376 37,332,242 51,191,001 91,824,838 7 7,575 31,247,524 2,103,860 44,304,478 61,129,492 106,152,910 8 7,928 33,055,507 2,170,057 49,344,640 84,670,583 115,178,201 9 7,335 31,320,167 2,202,904 49,063,942 67,275,197 118,307,939 10 22,181 83,215,286 5,005,731 145,566,921 334,777,988 11 19,948 76,497,083 5,043,144 125,641,219 177,811,184 344,795,484 12 21,082 86,884,173 5,425,993 166,815,916 193,196,913 344,945,241 13 20,298 84,531,136 5,223,477 153,839,548 173,810,837 328,459,312 14 18,860 82,003,755 5,276,047 148,683,954 171,393,527 331,134,713 15 3,908 12,561,645 1,100,683 29,637,018 48,944,513 18 3,428 12,138,340 1,070,425 29,403,422 17,900,690 48,619,184 19 3,538 13,572,864 1,070,900 88,364,107 19,495,638 57,862,467 20 20,252 49,152,973 795,336 89,265,51 142,203,116 21 20,135 50,285,303 785,336 89,245,370 88,384,107 19,495,638 57,862,467 20 20,252 49,152,973 795,336 89,265,51 142,203,116 21 20,135 50,285,303 789,458 70,874,477 75,273,318 147,242,239 2 20,880 53,506,506 802,143 80,245,876 83,339,052 181,69,556 23 20,255 53,271,012 783,786 77,101,625 82,163,106 160,543,462 2 20,880 53,506,506 802,143 80,245,876 83,339,052 181,69,556 23 1,441 3,280,955 53,115 4,982,285 5,099,788 9,914,376 22 20,256 53,771,012 783,786 77,101,625 82,163,106 160,543,462 2 20,886 57,099,576 784,469 83,970,518 89,553,348 173,123,886 2 20,880 53,506,508 802,143 80,245,876 83,339,052 181,69,556 23 1,441 3,280,955 55,115 4,982,285 5,099,788 9,914,376 22 20,880 53,506,508 802,143 80,245,876 83,339,052 181,69,593,386 23 20,255 53,271,012 783,786 77,101,625 82,163,106 160,543,462 24 20,880 53,506,508 802,143 80,245,876 83,349,052 11,441 3,280,955 53,115 4,982,285 5,099,788 9,914,376 23 1,435 3,464,74					a orreira			
8,553		'		2,575,727	88, 970, 388		198, 393, 289	1
8,094	7,860	34,070,844		2,479,926	80, 058, 023	106, 202, 355	188, 489, 413	2
7,502	8,553	40,484,884		2,723,312	101,756,969	111,703,386	209, 305, 956	3
8,135 31,105,175 1,849,173 42,120,382 98,699,818 6 7,370 28,864,106 1,989,876 37,332,242 51,191,001 91,828,438 7 7,575 31,247,524 2,103,860 44,320,478 61,129,492 106,152,910 8 7,928 33,055,507 2,170,057 49,344,640 64,670,563 115,178,201 9 7,335 31,320,167 2,202,904 49,083,942 67,275,197 118,307,930 10 22,181 83,215,286 5,008,731 145,866,921 334,777,988 11 19,948 76,497,083 5,034,114 129,641,219 177,811,184 314,792,148 12 21,082 86,884,173 5,423,093 161,815,916 195,196,913 354,045,241 13 20,298 84,331,136 5,223,477 153,839,548 173,810,837 328,499,312 14 18,860 82,003,785 5,276,047 148,683,954 171,393,527 331,134,713 15 3,908 12,561,645 1,160,683 29,637,018 48,944,513 15 3,743 13,101,438 1,107,710 30,640,591 20,144,500 52,194,556 17 3,629 12,677,010 1,082,119 39,085,742 20,042,151 59,067,686 18 3,248 12,138,340 1,070,425 29,403,423 17,900,690 48,619,184 19 3,538 13,572,364 1,079,300 38,384,107 19,495,638 57,862,467 20 20,252 49,152,973 795,336 69,926,521 12,203,116 21 20,135 50,283,303 789,488 70,824,477 75,273,318 147,242,239 22 20,880 53,005,508 802,143 80,245,876 83,339,052 161,459,558 23 20,886 57,099,576 784,469 83,970,518 89,563,348 173,123,858 25 1,709 3,489,351 74,796 5,334,060 10,338,116 28 1,435 3,665,523 61,024 4,608,342 4,560,507 9,327,300 27 1,441 3,280,935 58,115 4,988,265 5,099,788 9,914,376 22 1,375 3,400,000 63,658 4,880,997 5,425,186 10,344,572 29 1,375 3,400,000 63,658 4,880,997 5,425,186 10,344,572 29 1,375 3,400,000 63,658 4,880,997 5,425,186 10,344,572 29 1,376 3,644,740 136,293 5,928,177 5,902,234 11,962,610 32 1,378 3,644,740 136,293 5,928,177 5,902,244 11,962,610 32 1,277 3,323,870 117,837 5,802,142 5,504,699 11,363,226 33	8,094	38,632,451		2,620,783	91,091,348	91, 257, 412	181, 919, 924	4
7,370	7,502	38,013,950		2,674,507	87, 174, 440	84,855,754	180, 248, 120	5
7, 575 7, 928 7, 928 7, 928 7, 928 7, 928 7, 938 7,	8, 135	31, 105, 175		1,849,173	42,120,362		98, 699, 818	6
7, 928	7,370	28, 864, 106		1,989,876	37, 332, 242	51, 191, 001	91, 826, 438	7
7, 928	7,575	31,247,524		2,103,860	44,320,478	61, 129, 492	106, 152, 910	8
7,335 31,320,187 2,202,904 49,063,942 67,275,197 118,307,930 10 22,181 83,215,286 5,005,731 145,566,921 334,777,988 11 19,948 76,497,083 5,034,114 129,641,219 177,811,184 314,792,148 12 20,298 84,531,136 5,223,477 153,839,548 173,810,837 328,459,312 13 18,860 82,003,785 5,276,047 148,683,954 171,593,527 331,134,713 15 3,908 12,561,645 1,160,683 29,637,018 48,944,513 16 3,743 13,101,438 1,107,710 30,640,591 20,184,500 52,194,556 17 3,248 12,183,340 1,070,425 29,403,423 17,900,690 48,619,184 19 20,252 49,152,973 795,336 69,926,521 142,203,116 21 20,252 49,152,973 795,336 69,926,521 142,203,116 21 20,355 50,283,303	7,928	33,055,507		2,170,057	49,344,640	64,670,563		9
19,948 76,497,083 5,034,114 129,641,219 177,811,184 314,792,148 12 21,082 86,884,173 5,425,093 161,815,916 195,196,913 334,045,241 13 20,298 84,531,136 5,223,477 133,839,548 173,810,837 328,459,312 14 18,860 82,003,785 5,276,047 148,683,954 171,593,527 331,134,713 15 3,908 12,561,645 1,160,683 29,637,018 48,944,513 16 3,743 13,101,438 1,107,710 30,640,591 20,184,500 52,194,556 17 3,629 12,677,010 1,082,119 39,068,742 20,042,151 59,067,686 18 3,248 12,138,340 1,070,425 29,403,423 17,900,690 48,619,184 19 3,538 13,572,364 1,079,300 38,364,107 19,495,638 57,862,467 20 20,252 49,152,973 795,336 69,926,521 142,203,116 21 20,135 50,283,303 789,458 70,824,477 75,273,318 147,242,239 22 20,880 53,508,508 802,143 80,245,876 83,339,052 161,459,556 23 20,235 53,271,012 783,786 77,101,625 82,163,108 160,543,462 24 20,886 57,099,576 784,469 83,970,518 89,563,348 173,123,858 25 1,709 3,498,351 74,796 5,334,060 10,338,116 26 1,435 3,065,523 61,024 4,608,342 4,560,507 9,327,360 27 1,441 3,280,935 58,115 4,938,265 5,099,768 9,914,376 28 1,375 3,400,000 63,658 4,880,997 5,425,188 10,344,573 29 1,362 3,469,693 64,767 5,199,005 5,343,728 10,483,875 30 1,195 2,902,112 106,109 5,031,572 9,798,187 31 1,378 3,644,740 136,293 5,928,177 5,902,234 11,962,610 32 1,277 3,323,870 117,837 5,802,142 5,504,699 11,363,236 33	7,335	31,320,167		2, 202, 904	49,063,942			
21,082 86,884,173 5,425,093 161,815,916 195,196,913 334,043,241 13 20,298 84,531,136 5,223,477 153,839,548 173,810,837 328,459,312 14 18,860 82,003,785 5,276,047 148,683,954 171,593,527 331,134,713 15 3,908 12,561,645 1,160,683 29,637,018 48,944,513 16 3,629 12,677,010 1,082,119 39,068,742 20,042,151 59,667,686 18 3,248 12,138,340 1,070,425 29,403,423 17,900,690 48,619,184 19 3,538 13,572,364 1,079,300 38,384,107 19,495,638 57,862,467 20 20,252 49,152,973 795,336 69,926,521 142,203,116 21 20,135 50,283,303 789,458 70,824,477 75,273,318 147,242,239 22 20,880 53,508,508 802,143 80,245,876 83,339,052 161,459,556 23 20,255 53,271,012 783,786 77,101,625 82,163,108 160,543,462 <	22, 181	83, 215, 286		5, 005, 731	145, 566, 921	••	334, 777, 988	11
20, 298 84, 531, 136 5, 223, 477 133, 839, 548 173, 810, 837 328, 439, 312 14 18, 860 82, 003, 785 5, 276, 047 148, 683, 934 171, 593, 527 331, 134, 713 15 3, 908 12, 561, 645 1, 160, 683 29, 637, 018 48, 944, 513 16 3, 743 13, 101, 438 1, 107, 710 30, 640, 591 20, 184, 500 52, 194, 556 17 3, 248 12, 138, 340 1, 070, 425 29, 403, 423 17, 900, 690 48, 619, 184 19 3, 538 13, 572, 364 1, 079, 300 38, 364, 107 19, 495, 638 57, 862, 467 20 20, 252 49, 152, 973 795, 336 69, 926, 521 142, 203, 116 21 20, 135 50, 283, 303 789, 458 70, 824, 477 75, 273, 318 147, 242, 239 22 20, 880 53, 508, 508 802, 143 80, 245, 876 83, 339, 052 161, 459, 556 23 20, 255 53, 271, 012 783, 786 77, 101, 625 82, 163, 108	19, 948	76, 497, 083		5, 034, 114	129, 641, 219	177, 811, 184	314, 792, 148	12
18,860 82,003,785 5,276,047 148,683,954 171,593,527 331,134,713 15 3,908 12,561,645 1,160,683 29,637,018 48,944,513 16 3,743 13,101,438 1,107,710 30,640,591 20,184,500 52,194,556 17 3,629 12,677,010 1,082,119 39,083,742 20,042,151 59,067,686 18 3,248 12,138,340 1,070,425 29,403,423 17,900,690 48,619,184 19 3,538 13,572,364 1,079,300 38,364,107 19,495,638 57,862,467 20 20,252 49,152,973 795,336 69,926,521 142,203,116 21 20,133 50,283,303 789,458 70,824,477 75,273,318 147,242,239 22 20,880 53,508,508 802,143 80,245,876 83,339,052 161,459,556 23 20,866 57,099,576 784,469 83,770,518 89,563,448 173,123,658 25 1,709 3,498,351 74,796 5,334,060 10,338,116 26 1,441 3,280,935 58,115 4,938,265 5,099,768 9,914,376 28 1,375 3,400,000 </td <td>21, 082</td> <td>86, 884, 173</td> <td></td> <td>5, 425, 093</td> <td>161, 815, 916</td> <td>195, 196, 913</td> <td>354, 045, 241</td> <td>13</td>	21, 082	86, 884, 173		5, 425, 093	161, 815, 916	195, 196, 913	354, 045, 241	13
3,908 12,561,645 1,160,683 29,637,018	20, 298	84, 531, 136		5, 223, 477	153, 839, 548	173, 810, 837	328, 459, 312	14
3,743 13,101,438 1,107,710 30,640,591 20,184,500 52,194,556 17 3,629 12,677,010 1,082,119 39,068,742 20,042,151 59,067,686 18 3,248 12,138,340 1,070,425 29,403,423 17,900,690 48,619,184 19 3,538 13,572,364 1,079,300 38,364,107 19,495,638 57,862,467 20 20,252 49,152,973 795,336 69,926,521 142,203,116 21 20,135 50,283,303 789,458 70,824,477 75,273,318 147,242,239 22 20,880 53,508,508 802,143 80,245,876 83,339,052 161,459,556 23 20,255 53,271,012 783,786 77,101,625 82,163,108 160,543,462 24 20,866 57,099,576 784,469 83,970,518 89,563,348 173,123,858 25 1,709 3,498,351 74,796 5,334,060 10,338,116 26 1,441 3,280,935 58,115 4,938,265 5,099,768 9,914,376 28	18, 860	82, 003, 785		5, 276, 047	148, 683, 954	171, 593, 527	331, 134, 713	15
3,743 13,101,438 1,107,710 30,640,591 20,184,500 52,194,556 17 3,629 12,677,010 1,082,119 39,068,742 20,042,151 59,067,686 18 3,248 12,138,340 1,070,425 29,403,423 17,900,690 48,619,184 19 3,538 13,572,364 1,079,300 38,364,107 19,495,638 57,862,467 20 20,252 49,152,973 795,336 69,926,521 142,203,116 21 20,135 50,283,303 789,458 70,824,477 75,273,318 147,242,239 22 20,880 53,508,508 802,143 80,245,876 83,339,052 161,459,556 23 20,255 53,271,012 783,786 77,101,625 82,163,108 160,543,462 24 20,866 57,099,576 784,469 83,970,518 89,563,348 173,123,858 25 1,709 3,498,351 74,796 5,334,060 10,338,116 26 1,441 3,280,935 58,115 4,938,265 5,099,768 9,914,376 28								
3,743 13,101,438 1,107,710 30,640,591 20,184,500 52,194,556 17 3,629 12,677,010 1,082,119 39,068,742 20,042,151 59,067,686 18 3,248 12,138,340 1,070,425 29,403,423 17,900,690 48,619,184 19 3,538 13,572,364 1,079,300 38,364,107 19,495,638 57,862,467 20 20,252 49,152,973 795,336 69,926,521 142,203,116 21 20,135 50,283,303 789,458 70,824,477 75,273,318 147,242,239 22 20,880 53,508,508 802,143 80,245,876 83,339,052 161,459,556 23 20,255 53,271,012 783,786 77,101,625 82,163,108 160,543,462 24 20,866 57,099,576 784,469 83,970,518 89,563,348 173,123,858 25 1,709 3,498,351 74,796 5,334,060 10,338,116 26 1,441 3,280,935 58,115 4,938,265 5,099,768 9,914,376 28	3,908	12,561,645		1,160,683	29, 637, 018		48,944,513	16
3,629 12,677,010 1,082,119 39,068,742 20,042,151 59,067,686 18 3,248 12,138,340 1,070,425 29,403,423 17,900,690 48,619,184 19 3,538 13,572,364 1,079,300 38,364,107 19,495,638 57,862,467 20 20,252 49,152,973 795,336 69,926,521 142,203,116 21 20,135 50,283,303 789,458 70,824,477 75,273,318 147,242,239 22 20,880 53,508,508 802,143 80,245,876 83,339,052 161,459,556 23 20,235 53,271,012 783,786 77,101,625 82,163,108 160,543,462 24 20,866 57,099,576 784,469 83,970,518 89,563,348 173,123,858 25 1,709 3,498,351 74,796 5,334,060 10,338,116 26 1,441 3,280,935 58,115 4,938,265 5,099,768 9,914,376 28 1,375 3,400,000 63,658 4,880,997 5,425,186 10,344,573 29	3,743	13, 101, 438		1,107,710				
3,248 12,138,340 1,070,425 29,403,423 17,900,690 48,619,184 19 3,538 13,572,364 1,079,300 38,364,107 19,495,638 57,862,467 20 20,252 49,152,973 795,336 69,926,521 142,203,116 21 20,135 50,283,303 789,458 70,824,477 75,273,318 147,242,239 22 20,880 53,508,508 802,143 80,245,876 83,339,052 161,459,556 23 20,235 53,271,012 783,786 77,101,625 82,163,108 160,543,462 24 20,866 57,099,576 784,469 83,970,518 89,563,348 173,123,858 25 1,709 3,498,351 74,796 5,334,060 10,338,116 26 1,435 3,065,523 61,024 4,608,342 4,560,507 9,327,360 27 1,441 3,280,935 58,115 4,938,265 5,099,768 9,914,376 28 1,375 3,400,000 63,658 4,880,997 5,425,186 10,344,573 29 <	3,629	12,677,010						
3,538 13,572,364 1,079,300 38,364,107 19,495,638 57,862,467 20 20,252 49,152,973 795,336 69,926,521 142,203,116 21 20,135 50,283,303 789,458 70,824,477 75,273,318 147,242,239 22 20,880 53,508,508 802,143 80,245,876 83,339,052 161,459,556 23 20,235 53,271,012 783,786 77,101,625 82,163,108 160,543,462 24 20,866 57,099,576 784,469 83,970,518 89,563,348 173,123,858 25 1,709 3,498,351 74,796 5,334,060 10,338,116 26 1,435 3,065,523 61,024 4,608,342 4,560,507 9,327,360 27 1,441 3,280,935 58,115 4,938,265 5,099,768 9,914,376 28 1,375 3,400,000 63,658 4,880,997 5,425,186 10,344,573 29 1,362 3,469,693 64,767 5,199,005 5,343,728 10,483,875 30 1,3	3,248	12, 138, 340						
20, 135 50, 283, 303 789, 458 70, 824, 477 75, 273, 318 147, 242, 239 22 20, 880 53, 508, 508 802, 143 80, 245, 876 83, 339, 052 161, 459, 556 23 20, 235 53, 271, 012 783, 786 77, 101, 625 82, 163, 108 160, 543, 462 24 20, 866 57, 099, 576 784, 469 83, 970, 518 89, 563, 348 173, 123, 858 25 1, 709 3, 498, 351 74, 796 5, 334, 060 10, 338, 116 26 1, 435 3, 065, 523 61, 024 4, 608, 342 4, 560, 507 9, 327, 360 27 1, 441 3, 280, 935 58, 115 4, 938, 265 5, 099, 768 9, 914, 376 28 1, 375 3, 400, 000 63, 658 4, 880, 997 5, 425, 186 10, 344, 573 29 1, 362 3, 469, 693 64, 767 5, 199, 005 5, 343, 728 10, 483, 875 30 1, 195 2, 902, 112 106, 109 5, 031, 572 9, 798, 157 31 1, 362, 234 11, 962, 610 32 1, 277 3, 3	3,538					1		
20,880 53,508,508 802,143 80,245,876 83,339,052 161,459,556 23 20,235 53,271,012 783,786 77,101,625 82,163,108 160,543,462 24 20,866 57,099,576 784,469 83,970,518 89,563,348 173,123,858 25 1,709 3,498,351 74,796 5,334,060 10,338,116 26 1,435 3,065,523 61,024 4,608,342 4,560,507 9,327,360 27 1,441 3,280,935 58,115 4,938,265 5,099,768 9,914,376 28 1,375 3,400,000 63,658 4,880,997 5,425,186 10,344,573 29 1,362 3,469,693 64,767 5,199,005 5,343,728 10,483,875 30 1,195 2,902,112 106,109 5,031,572 9,798,157 31 1,378 3,644,740 136,293 5,928,177 5,902,234 11,962,610 32 1,277 3,323,870 117,837 5,802,142 5,504,699 11,363,236 33	20, 252	49, 152, 973		795,336	69, 926, 521		142, 203, 116	21
20, 235 53, 271, 012 783, 786 77, 101, 625 82, 163, 108 160, 543, 462 24 20, 866 57, 099, 576 784, 469 83, 970, 518 89, 563, 348 173, 123, 858 25 1, 709 3, 498, 351 74, 796 5, 334, 060 10, 338, 116 26 1, 435 3, 065, 523 61, 024 4, 608, 342 4, 560, 507 9, 327, 360 27 1, 441 3, 280, 935 58, 115 4, 938, 265 5, 099, 768 9, 914, 376 28 1, 375 3, 400, 000 63, 658 4, 880, 997 5, 425, 186 10, 344, 573 29 1, 362 3, 469, 693 64, 767 5, 199, 005 5, 343, 728 10, 483, 875 30 1, 195 2, 902, 112 106, 109 5, 031, 572 9, 798, 157 31 1, 378 3, 644, 740 136, 293 5, 928, 177 5, 902, 234 11, 962, 610 32 1, 277 3, 323, 870 117, 837 5, 802, 142 5, 504, 699 11, 363, 236 33	20,135	50, 283, 303		789,458	70,824,477	75, 273, 318	147, 242, 239	22
20,866 57,099,576 784,469 83,970,518 89,563,348 173,123,858 25 1,709 3,498,351 74,796 5,334,060 10,338,116 26 1,435 3,065,523 61,024 4,608,342 4,560,507 9,327,360 27 1,441 3,280,935 58,115 4,938,265 5,099,768 9,914,376 28 1,375 3,400,000 63,658 4,880,997 5,425,186 10,344,573 29 1,362 3,469,693 64,767 5,199,005 5,343,728 10,483,875 30 1,195 2,902,112 106,109 5,031,572 9,798,157 31 1,378 3,644,740 136,293 5,928,177 5,902,234 11,962,610 32 1,277 3,323,870 117,837 5,802,142 5,504,699 11,363,236 33	20,880	53,508,508		802, 143	80, 245, 876	83, 339, 052	161, 459, 556	23
1,709 3,498,351 74,796 5,334,060 10,338,116 26 1,435 3,065,523 61,024 4,608,342 4,560,507 9,327,360 27 1,441 3,280,935 58,115 4,938,265 5,099,768 9,914,376 28 1,375 3,400,000 63,658 4,880,997 5,425,186 10,344,573 29 1,362 3,469,693 64,767 5,199,005 5,343,728 10,483,875 30 1,195 2,902,112 106,109 5,031,572 9,798,157 31 1,378 3,644,740 136,293 5,928,177 5,902,234 11,962,610 32 1,277 3,323,870 117,837 5,802,142 5,504,699 11,363,236 33	20, 235	53,271,012		783, 786	77, 101, 625	82, 163, 108	160, 543, 462	24
1,435 3,065,523 61,024 4,608,342 4,560,507 9,327,360 27 1,441 3,280,935 58,115 4,938,265 5,099,768 9,914,376 28 1,375 3,400,000 63,658 4,880,997 5,425,186 10,344,573 29 1,362 3,469,693 64,767 5,199,005 5,343,728 10,483,875 30 1,195 2,902,112 106,109 5,031,572 9,798,157 31 1,378 3,644,740 136,293 5,928,177 5,902,234 11,962,610 32 1,277 3,323,870 117,837 5,802,142 5,504,699 11,363,236 33	20,866	57,099,576		784,469	83,970,518	89, 563, 348	173, 123, 858	25
1,441 3,280,935 58,115 4,938,265 5,099,768 9,914,376 28 1,375 3,400,000 63,658 4,880,997 5,425,186 10,344,573 29 1,362 3,469,693 64,767 5,199,005 5,343,728 10,483,875 30 1,195 2,902,112 106,109 5,031,572 9,798,157 31 1,378 3,644,740 136,293 5,928,177 5,902,234 11,962,610 32 1,277 3,323,870 117,837 5,802,142 5,504,699 11,363,236 33	1,709	3,498,351		74,796	5,334,060			26
1,375 3,400,000 63,658 4,880,997 5,425,186 10,344,573 29 1,362 3,469,693 64,767 5,199,005 5,343,728 10,483,875 30 1,195 2,902,112 106,109 5,031,572 9,798,157 31 1,378 3,644,740 136,293 5,928,177 5,902,234 11,962,610 32 1,277 3,323,870 117,837 5,802,142 5,504,699 11,363,236 33	1,435	3,065,523		61,024	4,608,342	4,560,507	9,327,360	27
1,362 3,469,693 64,767 5,199,005 5,343,728 10,483,875 30 1,195 2,902,112 106,109 5,031,572 9,798,157 31 1,378 3,644,740 136,293 5,928,177 5,902,234 11,962,610 32 1,277 3,323,870 117,837 5,802,142 5,504,699 11,363,236 33	1,441	3, 280, 935		58, 115	4,938,265	5,099,768	9,914,376	28
1,195 2,902,112 106,109 5,031,572 9,798,157 31 1,378 3,644,740 136,293 5,928,177 5,902,234 11,962,610 32 1,277 3,323,870 117,837 5,802,142 5,504,699 11,363,236 33	1,375	3,400,000		63,658	4,880,997	5,425,186	10,344,573	29
1,378 3,644,740 136,293 5,928,177 5,902,234 11,962,610 32 1,277 3,323,870 117,837 5,802,142 5,504,699 11,363,236 33	1,362	3,469,693		64,767	5, 199, 005	5,343,728	10,483,875	30
1,378 3,644,740 136,293 5,928,177 5,902,234 11,962,610 32 1,277 3,323,870 117,837 5,802,142 5,504,699 11,363,236 33								
1, 277 3, 323, 870 117, 837 5, 802, 142 5, 504, 699 11, 363, 236 33	1,195	2,902,112		106, 109	5,031,572		9,798,157	31
	1,378	3,644,740		136, 293	5, 928, 177	5,902,234	11,962,610	32
	1,277	3,323,870		117,837	5, 802, 142	5, 504, 699	11,363,236	33
	1,225	3,466,543		117,078	6, 363, 149	5,496,215		
1,276 3,569,031 109,769 6,214,913 5,984,944 12,303,921 35	1,276	3,569,031		109,769	6, 214, 913	5, 984, 944		

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61'—Continued

		19	57 - 611 -	- Co	ntinued						
	s.i.c.	Industrial group and industry		tab- sh-	Administrative and office employees			Production workers			
No.	Code			ents	Male	Female	Salaries	Male	Female	Wages	
					number	1	\$	nun	iber	\$	
		4. Leather industries - Concluded:		1					1		
1	1799	Miscellaneous leather products manufacturers 1	957	209	454	239	2,940,167	1,776	2,040	7,717,644	
2		1:	958	195	416	223	2,945,801	1,560	1,894	7, 270, 008	
3		19	959	185	394	226	2, 958, 476	1,577	1,991	7,790,396	
4		19	960	190	388	219	2,994,667	1,573	2,003	8,177,179	
5		1	961	181	385	221	3,040,775	1,615	2,150	8,822,804	
6		Totals, leather industries 1	957	614	2, 708	1,316	16, 852, 572	15, 294	12,255	61, 920, 320	
7		. 1	958	591	2,625	1,348	17,691,908	14, 835	11,976	62, 618, 905	
8		11	959	572	2,611	1,387	18,315,786	14, 944	12, 473	65, 223, 409	
9		1	960	580	2,613	1,341	18, 819, 691	14, 133	12, 179	64, 628, 050	
10		. 19	961	555	2,550	1,334	18, 742, 890	14, 569	12,960	70, 831, 353	
		5. Textile industries:									
11	183	Cotton yarn and cloth mills 19	957	49	2,082	1,137	13, 250, 803	11,793	6,083	43,930,121	
12			958	47	2,138	1,238	14, 151, 755	10,626	5,432	39, 362, 819	
13		18	59	45	2,139	1,001	13,516,750	10,062	5,002	39,796,732	
14		18	60	41	1, 936	869	12, 853, 869	9,650	4,386	40, 433, 561	
15		19	961	39	1,931	818	12,783,593	10,067	4,568	43,016,210	
16	193	Wool yarn mills 19	957	35	169	103	1,128,509	748	1,020	4,031,813	
17			58	34	175	95	1,127,416	704	902	3,789,485	
18		19	59	33	174	104	1,289,853	735	1,023	4,578,267	
19		19	60	30	166	97	1,298,102	739	1,002	4,745,954	
20		19	61	26	135	101	1,166,020	634	1,057	4,528,906	
21	197	Wool cloth mills 19	57	65	605	314	4,170,709	3,918	2,434	15,967,896	
22		19	58	57	567	271	3,968,495	3,304	1,675	13,185,191	
23		19	59	57	505	245	3,848,500	3,514	1,771	14,626,182	
24		19	60	56	545	244	4,122,254	3,530	1,722	14, 965, 094	
25		19	61	55	518	246	3,802,068	3,455	1,866	15,673,061	
26	201	Synthetic textile mills 19	57	44	2,701	1,097	17,322,722	8, 806	2,505	33,455,652	
27		19	58	46	2,538	1,008	17,408,459	8,173	2,401	30,504,482	
28		. 19	59	46	2,702	1,059	19,035,491	8,621	2,311	33,346,470	
29		19	60	50	2,653	975	19,111,267	8,801	2,501	35,854,727	
30		19	61	56	2,647	1,022	19,718,200	9,512	2,668	39,674,497	
		Other primary textile mills:									
31	211	Fibre preparing mills 19	57	31	130	31	880, 912	672	115	2,327,502	
32		19	58	33	120	32	814,350	611	91	2, 120, 948	
33		19	59	31	109	32	810, 237	628	91	2,185,330	
34		19	60	31	102	35	843,425	567	83	2,119,175	
35		19	61	30	103	31	847, 993	614	104	2,312,252	

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61'-Continued

Total Cost of Cost at plant Value employees salaries fuel and of materials added by and wages electricity used manufacture	Selling value of factory	
	shipments	No.
number dollars		
4,509 10,657,811 234,460 . 13,457,306	29,654,193	1
4,093 10,215,809 224,558 14,234,269 15,676,653	30, 158, 916	2
4,188 10,748,872 223,700 14,658,061 16,839,193	31,287,865	3
4,183 11,171,846 215,803 15,549,495 18,355,398	34, 246, 577	4
4,371 11,863,579 235,681 17,657,926 20,000,256	37, 294, 402	5
31, 573 78, 772, 892 2, 371, 384 123, 386, 477		6
30, 784 80, 310, 813 2, 319, 043 126, 235, 856 121, 597, 212		7
31, 415 83, 539, 195 2, 283, 914 144, 713, 086 130, 824, 863	273, 092, 719	8
30, 266 83, 447, 741 2, 250, 750 133, 298, 689 129, 340, 597		9
31, 413 89, 574, 243 2, 273, 986 151, 406, 469 140, 387, 914	291, 068, 523 1	10
21,095 57,180,924 4,461,061 129,817,598	219,425,305 1	11
19,434 53,514,574 4,422,251 124,740,866 80,300,478	211,035,052 1	12
18, 204 53, 313, 482 4, 285, 497 129, 837, 403 83, 794, 686	218,609,527 1	13
16,841 53,287,430 4,161,082 121,345,889 87,094,684	210,039,839 1	14
17,384 55,799,803 4,440,661 136,226,684 96,215,791	236,711,105 1	15
2,040 5,160,322 374,628 17,039,974	25,304,423 1	16
1,876 4,916,901 355,222 14,223,379 7,811,793		17
2,036 5,868,120 390,636 16,259,608 10,267,574		18
2,004 6,044,056 368,965 16,056,504 10,200,273		19
1,927 5,694,926 358,130 14,165,175 9,422,042		20
7,271 20,138,605 1,489,381 35,968,447	68,754,503 2	21
5,817 17,153,686 1,273,499 29,279,934 28,288,327	58,839,505 2	22
6,035 18,474,682 1,323,816 31,806,839 31,404,985	63,353,512 2	23
6,041 19,087,348 1,436,329 34,029,012 31,434,971	66,602,246 2	24
6,085 19,475,129 1,315,904 36,227,424 32,349,600	68, 443, 002 2	25
15,109 50,778,374 5,161,106 82,824,609	168, 308, 955 2	26
14,120 47,912,941 4,835,157 81,121,402 86,073,433	175,776,875 2	27
14,693 52,381,961 5,049,319 96,852,638 104,112,366	203, 209, 510 2	
14,930 54,965,994 4,874,184 100,286,434 112,959,540	216,530,012 2	29
15,849 59,392,697 5,046,699 118,305,942 123,477,735	248,717,577 3	30
948 3,208,414 262,272 9,361,355	14,867,026 3	31
854 2,935,298 255,690 7,610,856 5,299,047	13,373,002 3	
860 2,995,567 250,082 7,516,650 5,732,581	13,399,282 3	
787 2,962,600 249,330 10,345,678 5,802,660	16,235,449 3	
852 3,160,245 266,401 8,813,015 5,506,053	14,840,990 3	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-611 - Continued

		1	957 - 6	11 - Co	ntinued					
	S.I.C. Code	Industrial group and industry		Estab-	Administrative and office employees			Production workers		
No.	Code			ments	Male	Female	Salaries	Male	Female	Wages
					number		\$	nu	mber	\$
		5. Textile industries - Continued:				1				
		Other primary textile mills - Concluded:								
1	212	Thread mills	1057	14	050	101	1 044 808			
2	212	Intead mills	1958	14	253 208	191	1,611,737	257	538	1,737,307
3			1959	16	213	159	1,394,758	250 269	474	1,563,231
4			1960	15	261	193	1,858,876	258	424 398	1,609,530
5			1961	16	253	209	1,838,233	310	410	1,596,083
							2,000,200	310	410	1,872,051
6	213	Cordage and twine industry	1957	15	133	68	1,084,093	700	271	2,901,129
7			1958	13	135	67	1,028,170	621	237	2,683,989
8			1959	12	129	65	1,055,410	625	233	2,746,651
9			1960	12	128	61	1,075,546	560	206	2,544,983
10			1961	15	136	61	1,041,354	560	196	2,625,988
11	214	Narrow fabric mills	1957	47	165	113	1, 179, 530	970	964	4,792,118
12			1958	45	147	108	1,189,639	929	852	4, 570, 251
13			1959	45	163	101	1, 278, 925	896	857	4,659,016
14			1960	47	196	90	1, 269, 374	876	845	4,641,325
15			1961	47	173	104	1,409,323	962	896	5,075,253
16	215	Pressed and punched felt mills	1957	10	52	29	455,587	322	25	1,005,361
17			1958	10	55	28	502, 734	341	24	1, 127, 371
18			1959	10	59	37	552,075	358	25	1,296,705
19			1960	10	66	38	577,888	332	24	1, 183, 992
20			1961	10	52	36	519,420	311	18	1, 117, 036
21	216	Carpet, mat and rug industry	ì	15	190	107	1,530,401	994	547	3,936,321
23			1958	14.	184	102	1,347,721	1,006	479	3,891,051
24			1959	12	215	97	1,524,250	916	509	4, 146, 957
25			1960	15	243	105	1,783,189	1,009	427	4, 262, 855
			1001	10	203	113	1,751,515	913	505	4, 187, 869
26	218	Textile dyeing and finishing plants	1957	53	236	76	1,574,573	1,220	235	4,093,609
27			1958	53	283	96	1,786,428	1,160	225	4, 133, 245
28		·	1959	52	257	96	1,742,108	1,221	243	4, 548, 911
29			1960	53	253	100	1,853,652	1,298	254	4, 865, 017
30			1961	54	237	106	2,059,487	1,377	249	5, 240, 033
31	219	Linoleum and coated fabrics industry	1957	16	721	311	5, 297, 387	1,698	167	6,466,017
32			1958	18	790	300	5,544,083	1,729	176	6,678,133
33			1959	18	836	306	5,836,134	1,873	173	7, 362, 453
34			1960	17	604	224	4, 562, 436	1,664	145	6, 655, 239
35			1961	16	544	153	4, 322, 282	1,513	99	6, 463, 597

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-611 — Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
number			dollars		
1,239	3,349,044	172,491	6, 257, 441		11,703,751
1,101	2,957,989	156,034	7, 140, 145	5,364,380	12,950,194
1,065	3,088,903	163,453	7, 175, 166	6,673,849	14, 278, 377
1,110	3, 454, 959	161, 166	7, 327, 005	6,443,239	13,550,523
1,182	3,710,284	172, 252	9,414,388	6,963,656	16,019,744
1,172	3,985,222	188, 283	9,336,618	• •	16, 554, 746
1,060	3,712,159	201,695	8, 108, 455	7, 142, 781	15,686,937
1,052	3,802,061	202,958	9,025,191	7,097,784	16,017,027
955	3,620,529	200,728	9,423,265	6, 135, 144	16, 103, 472
953	3,667,342	189,697	10, 294, 998	6, 285, 327	16, 671, 720
2,212	5,971,648	262,666	9,399,883		19, 594, 154
2,036	5, 759, 890	264, 592	9,093,359	10, 133, 262	19,470,834
2,017	5, 937, 941	268, 528	9,544,363	10,798,168	20, 439, 485
2,007	5,910,699	274,323	9,823,502	10,315,310	20, 238, 272
2,135	6,484,576	289,562	10,928,663	12,389,364	23, 539, 309
428	1,460,948	121,479	3,211,363	• • }	6, 569, 618
448	1,630,105	120,673	2,824,390	3, 229, 238	6, 161, 749
479	1,848,780	141,973	3, 234, 914	3,788,574	7, 132, 638
460	1,761,880	138,872	3,338,911	3, 214, 818	6, 728, 264
417	1,636,456	132, 642	3,663,744	2,998,324	6, 812, 549
1,838	5, 466, 722	416,636	13,003,590	••	21,820,183
1,771	5, 238, 772	386, 528	12, 892, 888	10, 458, 528	24, 617, 668
1,737	5,671,207	424,921	14,835,825	12, 306, 290	26, 608, 323
1,784	6,046,044	428,626	14, 653, 411	10, 773, 190	25, 951, 652
1,736	5,939,384	466,148	17, 606, 656	11,441,745	29,314,331
1,767	5, 668, 182	741, 241	3, 474, 013		13, 646, 829
1,764	5, 919, 673	814, 202	3,995,303	9,484,007	14, 354, 442
1,817	6, 291, 019	772, 109	4, 290, 682	10,388,655	15, 439, 657
1,905	6,718,669	799, 383	4,657,570	11, 478, 149	16, 887, 990
1,969	7, 299, 520	850, 265	5, 614, 268	12,025,785	18, 520, 424
	11 700 101	000 004	01 440 042		00
2,897	11,763,404	680,621	21,448,919	**	39, 728, 720
2,995	12, 222, 216	679,922	21,756,900	18, 817, 766	41, 592, 180
3, 188	13, 198, 587	693,567	25,005,311	20, 376, 612	44, 497, 654
2,637	11, 217, 675	629, 128	21, 504, 654	16, 662, 764	39, 852, 047

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957 - 61^1 — Continued

			57-6	L1 - Co	ntinued					
	S.I.C.	Industrial group and industry		Estab-		dministrati ffice empl		Pi	oduction v	vorkers
No.	Code			ments	Male	Female	Salaries	Male	Female	Wages
_					number	ł	\$	nun	nber	\$
		5. Textile industries - Concluded:								
		Other textile industries:								
1	221	Canvas products industry	1957	132	302	133	1,477,724	596	765	2,786,125
2			1958	134	282	128	1,499,724	600	727	2,802,535
3			1959	130	291	133	1,642,784	623	740	3,105,622
4			1960	133	278	126	1,675,567	643	736	3, 202, 235
5			1961	132	284	127	1,755,734	607	671	3,067,055
6	223	Cotton and jute bag industry	1957	33	133	61	1,017,696	299	600	1,940,797
7			1958	31	132	59	1,064,750	299	548	1,969,860
8			1959	29	129	58	1,082,470	325	555	2,047,594
9			1960	30	122	58	1,058,033	314	539	2,049,332
10			1961	29	124	53	1,166,555	305	542	2,082,043
11	2291	Automobile fabric accessory manufacturers	1957	20	141	66	791,903	206	403	1,634,090
12			1958	19	111	54	736,177	177	379	1,435,566
13			1959	23	121	55	871,558	216	420	1,774,127
14			1960	27	121	54	961,688	226	423	1,769,138
15			1961	26	121	55	947,843	254	420	1,945,307
16	2292	Embroidery, pleating, hemstitching manu-	1957	144	194	86	1,077,522	450	801	2,638,818
17		facturers.	1958	131	177	72	1,111,684	442	742	2,462,838
18			1959	131	185	77	1,195,864	443	774	2,540,040
19			1960	133	179	77	1,179,330	451	730	2,696,570
20			1961	130	182	80	1,278,734	471	805	2,890,499
21	2299	Miscellaneous textiles (n.e.s.) industry	1957	179	511	379	3,878,490	938	1,966	6, 289, 425
22			1958	174	502	438	4,615,271	929	1,931	6,588,641
23			1959	164	555	379	4,642,017	1,010	2,032	6,866,014
24			1960	186	646	448	5,429,809	1,040	2,054	7,528,498
25			1961	187	622	469	5,557,459	1, 236	2,318	8,820,319
26		Totals, textile industries	1957	902	8,718	4,302	57,730,298	34, 587	19,439	139, 934, 101
27			1958	875	8,544	4, 265	59, 291, 614	31,901	17, 295	128,869,636
28			1959	854	8,782	4,004	61, 403, 799	32, 335	17,183	137, 236, 601
29			1960	886	8, 499	3, 794	61, 514, 305	31, 958	16,475	141, 113, 778
30			1961	883	8,267	3,784	61,965,813	33, 101	17,392	150, 591, 976
1	j	6. Knitting mills:								
31	231	Hosiery mills	1957	135	550	414	3,828,096	2,976	4,776	17,822,109
32			1958	145	572	409	4, 032, 285	2,830	4, 770	17, 373, 181
33			1959	140	510	377	3,962,275	2,545	4,770	17,459,022
34			1960	166	549	387	4,410,290	2,533	4,806	17, 636, 196
35			1961	166	575	380	4,303,493	2,514	4,808	17,944,277
		_								

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^{\circ}-$ Continued

Total employees	Total salaries	Cost of fuel and	Cost at plant of materials	Value added by	Selling value of factory	
	and wages	electricity	used	manufacture	shipments	No
number			dollars			+
1,796	4, 263, 849	187,976	9,305,201	0.0	16, 115, 394	
1,737	4,302,259	188,141	9,045,840	6,720,797	16,073,761	2
1,787	4,748,406	193, 872	9,492,069	7,675,304	17, 323, 048	3
1,783	4,877,802	197, 261	9,722,009	8,664,328	18,004,982	4
1,689	4,822,789	176,099	9,494,965	8,221,104	17,952,327	5
1,093	2,958,493	116,586	20,906,198		26, 237, 895	6
1,038	3,034,610	137,533	20,596,973	5,734,463	26, 429, 106	7
1,067	3,130,064	119,472	20,499,128	6,140,028	27, 084, 029	8
1,033	3, 107, 365	142,932	19,681,966	6,543,096	26, 340, 634	8
1,024	3, 248, 598	159,078	21,889,524	6,604,607	28,670,018	10
816	2,425,993	92,679	6,397,928		10,515,980	1:
721	2, 171, 743	75,932	5,980,721	3,871,125	9,322,899	12
812	2,645,685	80,108	7,675,851	4,113,544	11,883,042	13
824	2,730,826	83,930	8,074,256	4,114,262	12,452,123	14
850	2,893,150	78,443	7,878,389	5,333,889	13, 190, 549	15
1,531	3,716,340	88,288	2,677,046	• •	8,578,742	16
1,433	3,574,522	77,796	2,381,990	5,606,916	8,065,147	17
1,479	3,735,904	80,233	2,851,422	6,242,712	9, 171, 217	18
1,437	3,875,900	81,470	2,231,656	6,109,512	8, 421, 715	19
1,538	4, 169, 233	84,296	2, 256, 775	6,303,209	8, 625, 459	20
3,794	10, 167, 915	399,433	26,633,151	• •	48, 420, 689	21
3,800	11, 203, 912	386,363	26, 188, 282	22, 215, 198	48, 733, 526	
3,976	11,508,031	365,594	27,802,236	22, 254, 813	50, 387, 294	1
4,188	12,958,307	443,868	30,989,923	24, 216, 020	55, 788, 360	1
4,645	14,377,778	474,950	36, 176, 613	29, 924, 092	66, 261, 092	25
67,046	197, 664, 399	15, 216, 827	407,063,334	• •	736, 146, 913	26
62, 005	188, 161, 250	14, 631, 230	386, 981, 683	316, 551, 539	725, 249, 663	27
62,304	198, 640, 400	14, 806, 138	423, 705, 296	353, 168, 525	785,622,807	28
60,726	202, 628, 083	14,671,577	423, 491, 645	362, 161, 960	795, 930, 026	29
62, 544	212, 557, 789	15, 113, 355	468,001,049	392,688,681	875, 287, 700	30
8,716	21,650,205	809,646	26,776,128	• •	61,819,327	31
8,693	21, 405, 466	825,951	27,184,057	35,345,674	63,560,930	32
8, 202	21, 421, 297	791,927	29,277,797	38, 293, 159	66,946,032	33
8, 275	22, 046, 486	724, 442	31,770,857	39, 187, 228	71,955,237	34
8, 277	22, 247, 770	740,460	35, 414, 920	40, 497, 514	75,679,385	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,

1957-614 — Continued

		1957 -	611 - C	ontinued				industry,	
	S.I.C.	Industrial group and industry	Estab-	. A	dministrat office emp	ive and loyees	P	roduction	workers
No.			ments	Male	Female	Salaries	Male	Female	Wages
2100				number		\$	nur	nber	\$
		6. Knitting mills - Concluded:			Sales and the sa				
1	239	Other knitting mills							
2	200	Other kintering milits			698	6, 250, 327	3,234	8,601	23,583,683
3		. 195			726 680	6,570,950	2,972	8,045	22,817,436
4		1960			838	6,991,525 8,250,253	3,209	8, 481	24, 925, 456
5		196			760	8, 229, 288	3, 291	7, 910 8, 154	24, 986, 244 26, 992, 324
						0,220,200	0,231	0, 104	20, 992, 324
6		. Totals, knitting mills 195	306	1,411	1, 112	10, 078, 423	6, 210	13, 377	41, 405, 792
7		1950	316	1, 408	1, 135	10, 603, 235	5, 802	12, 927	40, 190, 617
8		195	313	1,314	1,057	10, 953, 800	5, 754	13, 251	42, 384, 478
9		1960	356	1,478	1, 225	12, 660, 543	5, 760	12, 716	42, 622, 440
10		196.	358	1,552	1, 140	12, 532, 781	5, 805	12, 962	44, 936, 601
		7. Clothing industries:							
11	2431	Men's clothing factories 1957	554	2,672	1,632	18, 270, 732	8,420	19,409	58, 898, 635
12		1958	541	2,496	1,565	17, 969, 741	8,094	17, 943	56, 514, 556
13		1959	506	2,488	1,699	19, 199, 336	7,751	17, 352	57, 104, 445
14		1960	498	2,397	1,535	19,033,679	7,449	17, 266	56,973,826
15		1961	488	2,277	1,518	18,440,828	7,878	17, 695	61, 784, 128
16	2432	Man's alothing controllers							
17	2402	Men's clothing contractors		262	67	1,093,033	1,341	3,471	8,658,178
18		1958 1959		239	71	1, 086, 175	1, 283	3,357	8,306,307
19		1960		236	65	1,063,013	1, 298	3,311	8, 688, 429
20		1961	140	222	65	1,056,229	1, 269	3, 573	9, 118, 705
		1901	130	205	62	1,078,433	1,352	3,852	10,037,623
21	2441	Women's clothing factories 1957	669	1,821	1,419	16,082,461	5,247	17, 767	50,469,324
22		1958	657	1,752	1,422	16,907,535	4,920	17, 579	51, 598, 768
23	1	1959	634	1,793	1,495	18,035,091	5,085	17, 554	53,918,609
24		1960	645	1,896	1,517	18, 859, 897	5,033	17, 541	54, 207, 078
25		1961	633	1,673	1,439	17, 251, 210	5,032	17, 783	57, 237, 079
26	2442	Women's clothing contractors	- 4-						
27		Women's clothing contractors	143	176	52	732, 470	315	2, 903	5,032,673
28		. 1958	145	180	65	776, 482	313	3, 140	5, 538, 465
29		1959 1960	144	170	70	878, 308	395	3, 170	5, 935, 154
30		. 1961	184	178 201	114	955, 851	354	3,938	7, 053, 112
			104	201	114	1, 135, 357	494	4,667	9, 248, 486
31	245	Children's clothing industry 1957	189	448	331	3,496,993	1,269	5, 571	12,794,756
32		1958	187	463	359	3,660,982	1, 267	5, 790	13, 334, 170
33		1959	180	446	376	3,902,266	1,300	5, 998	14,315,730
34		1960	186	465	384	4, 172, 230	1,392	6, 183	14, 957, 710
35		1961	182	434	348	3,960,420	1,317	6,050	14,916,864

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-611 — Continued

		1957-61	1 - Continued			
Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	No
number			dollars			No.
13,394	29,834,010	1, 204, 108	62, 132, 351		111 707 070	1
12,579	29,388,386	1,070,909		49,898,319	111, 797, 972 110, 906, 500	2
13, 174	31,916,981	1, 151, 027		54,090,035		3
12,904	33, 236, 497	1,065,315		55, 820, 791	123, 576, 328	4
13, 182	35, 221, 612	1, 186, 464	81, 947, 047	60, 143, 893	127, 610, 919	5
20, 102	00,221,012	1, 100, 404	01, 511, 011	00, 143, 093	143, 616, 593	3
22, 110	51, 484, 215	2, 013, 754	88, 908, 479		173, 617, 299	6
21, 272	50, 793, 852	1, 896, 860	88, 430, 835	85, 243, 993	174, 467, 430	7
21,376	53, 338, 278	1, 942, 954	98, 359, 623	92, 383, 194	190, 522, 360	8
21, 179	55, 282, 983	1, 789, 757	103, 835, 383	95, 008, 019	199, 566, 156	9
21,459	57, 469, 382	1, 926, 924	117, 361, 967	100, 641, 407	219, 295, 978	10
32,133	77, 169, 367	1,057,350	154 007 704		000 000	
30,098	74, 484, 297	1,003,907	154, 097, 784	***	273, 772, 823	11
29, 290	76, 303, 781		146, 078, 563	116, 352, 821	265, 540, 892	12
28,647	76,007,505	989,378	145, 881, 979	116, 529, 412	260, 902, 693	13
29,368	80, 224, 956	997, 326 1, 023, 838	144, 528, 018 157, 760, 437	116,020,272 123,614,414	259, 461, 011 279, 088, 853	14
25,300	00, 224, 550	1, 023, 636	131, 100, 431	123,014,414	219,088,853	15
5, 141	9,751,211	180, 573	1,383,156		13, 230, 423	16
4,950	9,392,482	172,015	1, 191, 810	11, 243, 887	12, 598, 679	17
4,910	9,751,442	156, 066	1,276,343	11,656,903	13,099,257	18
5,129	10, 174, 934	166,678	1, 171, 222	12,436,600	13, 806, 221	19
5,471	11, 116, 056	162,862	1,498,798	13,715,046	15, 344, 832	20
26,254	66, 551, 785	773,687	131, 755, 207		244, 196, 872	21
25,673	68,506,303	699, 130	131, 722, 573	116,418,823	248, 494, 753	22
25,927	71,953,700	680,440	137, 565, 177	122, 425, 349	259, 446, 172	23
25,987	73,066,975	682, 761	140, 742, 490	126, 341, 924	266, 410, 354	24
25,927	74, 488, 289	704, 271	151, 134, 488	127, 738, 427	277, 477, 796	25
3,446	5,765,143	113,447	643, 902		9 416 624	26
3,698	6,314,947	103, 187	714,018	7, 948, 893	8, 416, 634 8, 785, 665	27
3,805	6,813,462	112, 539	813,367	8,807,341	9, 727, 430	
4,557	8,008,963	125, 972	900, 207	9, 959, 706		
5, 476	10,383,843	142, 153	1,078,672	12, 968, 477	10, 993, 650 14, 261, 384	30
0,410	20,000,020	223, 100	2,010,012	X8,000,111	17, 201, 304	00
7,619	16, 291, 749	242,848	35, 123, 693	• •	61, 162, 818	31
7,879	16, 995, 152	242,011	36, 685, 179	28, 831, 123	65, 537, 490	32
8, 120	18, 217, 996	225,320	40, 202, 467	30, 223, 061	69, 988, 424	33
8,424	19, 129, 940	247, 255	41, 811, 476	31, 828, 774	73, 835, 896	34
8, 149	18, 877, 284	238, 421	43,224,615	30, 329, 875	73, 256, 354	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-611 - Continued

	S.I.C.	Industrial group and industry		Stab-	A	dministrat	ive and oyees	1	roduction	workers
No.	Code			nents	Male	Female	Salaries	Male	Female	Wages
					number	L	\$	nui	nber	\$
		7. Clothing industries - Concluded:								
1	246	Fur goods industry 1	957	472	882	193	4, 131, 254	2,074	1, 128	9, 575, 511
2			958	430	784	190	4, 248, 604	1,859	1,066	9, 311, 670
3		1	959	415	754	206	4, 274, 471	1,880	1, 025	9, 819, 172
4			960	426	745	197	4, 244, 519	1,753	1, 014	9, 229, 846
5		1	.961	444	718	190	4,259,013	1,751	1,017	9,472,070
6	247	Hat and cap industry 1	.957	145	395	209	2, 724, 588	1,399	2, 297	8, 139, 982
7		1	.958	140	397	191	2, 756, 603	1,361	2, 124	7, 990, 918
8			959	129	362	190	2,674,652	1,374	2, 073	8, 256, 077
9			960	130	381	187	2,776,626	1,347	2, 088	8, 279, 935
10		1	.961	130	364	175	2,651,972	1,324	2,087	8, 566, 391
11	248	Foundation garment industry 1	957	42	312	500	2, 946, 723	393	2,852	5, 822, 319
12		1	958	43	272	430	2, 780, 503	401	2,912	6, 140, 146
13			959	43	278	424	3, 082, 149	373	3,082	6,606,207
14			960	41	266	412	3,400,408	407	2, 939	6,586,701
15		. 1	961	42	271	422	3,341,241	369	2,851	6, 561, 413
		Other clothing industries:		,						
16	2491	Fabric glove manufacturers 1	957	12	41	43	342, 457	119	629	1, 077, 920
17		1	958	13	40	45	351,727	109	543	1,012,876
18		1	959	13	46	40	363,048	115	644	1, 268, 773
19			960	13	50	34	390, 698	101	543	1, 189, 725
20		1	961	13	41	37	413,313	107	572	1, 261, 341
21	2499	Miscellaneous clothing (n.e.s.) industry 1	957	67	152	101	1, 059, 609	264	849	2, 128, 788
22			958	62	145	90	1,053,868	229	722	1, 956, 316
23		19	959	59	148	90	1,034,026	255	770	2, 176, 188
24			960	58	139	86	1,052,806	230	704	2,092,316
25		19	961	55	128	78	934, 531	197	638	1, 836, 766
26		Totals, clothing industries 1	957 2	, 445	7, 161	4, 547	50, 880, 320	20,841	56, 876	162, 598, 086
27		19	958 2	, 362	6, 768	4, 428	51, 592, 220	19, 836	55, 176	161, 704, 192
28			1	, 258	6,721	4, 655	54, 506, 360	19, 826	54, 979	168, 088, 784
30				, 306	6, 739	4, 504	55, 942, 943	19, 335	55, 789	169, 688, 954
30		13	961 2	, 307	6, 312	4, 383	53, 466, 318	19, 821	57, 212	180, 922, 161
		8. Wood industries:								
31	2511	Shingle mills	957	50	110	41	664,978	1, 212	6	4 900 007
32			958	38	92	37	556, 509	1, 212	6	4, 866, 967 4, 994, 205
33			959	38	75	23	425, 626	881	2	3, 634, 107
34			960	35	71	26	485,016	1, 234	6	5, 426, 215
35		18	961	53	87	31	557,427	1, 270	8	5, 610, 893
36	2513	Sawmills	957 4,	, 490	7, 654	787	24, 044, 947	37, 339	264	109, 970, 131
37				, 004	7,012	797	23, 918, 223	35, 440	235	110, 428, 204
38				, 003	6,749	788	24, 906, 879	37, 380	211	113, 546, 776
39				, 719	6,365	807	25, 801, 349	36, 489	225	119, 648, 066
40		19	961 3,	, 260	5, 287	784	24, 473, 606	34, 864	199	120, 226, 080

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957 - 61^1 - \text{Continued}$

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
number		1	dollars	1	
4,277	13,706,765	291, 898	37, 216, 513		58, 069, 114
3,899	13, 560, 274	259, 879	36, 106, 054	20, 886, 479	57, 155, 444
3,865	14, 093, 643	230, 902	36, 755, 775	22, 786, 793	58, 772, 392
3,709	13, 474, 365	248, 892	35, 699, 389	22, 099, 133	57, 542, 958
3,676	13, 731, 083	256, 728	36, 930, 703	22, 550, 634	59, 553, 536
4,300	10, 864, 570	287, 085	13, 883, 185		30, 678, 459
4,073	10, 747, 521	285, 769	12, 528, 653	16, 426, 761	29, 154, 117
3,999	10, 930, 729	292, 043	12, 780, 752	16, 847, 392	29, 803, 908
4,003	11, 056, 561	282, 213	13,005,108	16, 883, 106	30, 199, 641
3,950	11, 218, 363	282, 165	13, 266, 512	17, 885, 349	31,475,380
4,057	8, 769, 042	131, 695	11, 946, 560		29, 542, 665
4,015	8, 920, 649	127, 183	12, 739, 780	19, 126, 581	31, 360, 077
4, 157	9, 688, 356	134, 020	13,842,350	19, 758, 236	33, 547, 530
4,024	9, 987, 109	123, 415	14,563,310	20, 672, 791	34, 847, 230
3,913	9, 902, 654	122, 834	14, 807, 384	20, 823, 773	35, 841, 568
832	1,420,377	27, 528	2, 570, 288		5, 132, 629
737			2, 595, 663	2, 468, 604	5, 041, 958
845	1, 364, 603	24, 637	2, 716, 411	2, 606, 613	5, 291, 602
	1,631,821	26, 872	2, 506, 729	2, 798, 257	5, 250, 946
728 757	1, 580, 423 1, 674, 654	30, 590 41, 301	2, 945, 141	2, 813, 493	5, 733, 223
1,366	3, 188, 397	62, 006	5, 881, 195	• •	11,061,077
1, 186	3, 010, 184	55, 608	5, 549, 024	5, 082, 172	10, 689, 389
1, 263	3, 210, 214	60, 403	5, 815, 434	5, 387, 752	11, 226, 426
1, 159	3, 145, 122	54, 511	5, 788, 014	4, 794, 124	10, 619, 163
1,041	2,771,297	44,387	4, 876, 630	4, 632, 944	9, 502, 565
89, 425	213, 478, 406	3, 168, 117	394, 501, 483		735, 263, 514
86, 208	213, 296, 412	2, 973, 326	385, 911, 317	344, 786, 144	734, 358, 464
86, 181	222, 595, 144	2, 907, 983	397, 650, 055	357, 028, 852	751, 805, 834
86, 367 87, 728	225, 631, 897 234, 388, 479	2, 959, 613 3, 018, 960	400, 715, 963 427, 523, 380	363, 834, 687 377, 072, 432	762, 967, 070 801, 535, 491
61, 126	232, 300, 313	0,010,000	200,000,000		0-2,000,202
1,369	5, 531, 945	172, 110	8, 280, 809		16, 768, 572
1,309	5, 550, 714	185, 796	8, 335, 795	8, 397, 752	16, 919, 343
981	4, 059, 733	155,485	6, 674, 200	5, 919, 979	12, 749, 664
1,337	5, 911, 231	173, 392	8, 186, 702	7, 683, 050	16, 043, 144
1,396	6, 168, 320	337, 099	8, 217, 324	7, 816, 284	16, 328, 748
46,044	134, 015, 078	7, 947, 676	268, 362, 802		484, 270, 200
43,484	134, 346, 427	8, 762, 505	262, 455, 513	209, 452, 968	480, 674, 716
45, 128	138, 453, 655	9, 336, 920	275, 113, 910	223, 649, 600	508, 098, 820
43,886	145, 449, 415	9, 501, 149	295, 824, 119	224, 854, 646	530, 186, 668
41, 134	144, 699, 686	11,380,488	306, 238, 148	218, 227, 808	534, 590, 574

TABLE 10, Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957 - 61^1 — Continued

		1957 -	611 - 0	Continu ed					
	S.I.C. Code	Industrial group and industry	Estab- lish-		dministrat		P	roduction	workers
No.			ments	Male	Female	Salaries	Male	Female	Wages
2100				number		\$	nur	nber	\$
		8. Wood industries - Continued:							
1	252	Veneer and plywood mills	77	876	245	5, 861, 652	8,502	1,542	30, 910, 721
2		1958	71	870	243	6,046,764	8, 358	1,540	31, 849, 152
3		1959	72	922	254	6,824,318	9,074	1,581	34, 518, 827
4		1960	76	970	252	6, 978, 485	8, 342	1, 514	34, 948, 419
5		1961	75	873	229	6, 182, 479	8, 459	1,548	36, 200, 915
6	2541	Sash and door and planing mills	1,620	3, 046	562	12,629,722	13,500	171	36, 242, 684
7		1958	1,399	2,863	559	13, 633, 131	12,968	136	36, 839, 592
8		1959	1,385	2,854	536	14, 228, 684	13, 252	159	39, 175, 300
9		1960	1,375	2,828	551	14, 546, 135	12,025	157	36,602,642
10		1961	1,356	2,835	593	14, 833, 753	12,603	144	40,024,385
11	2542	Hardwood flooring	25	136	38	826, 448	1, 246	31	3, 182, 828
12		1958	24	140	48	987, 977	1, 266	66	3, 430, 417
13		1959	21	146	43	1,007,993	1, 219	53	3, 385, 330
14		1960	22	148	47	949,007	1,048	37	2,927,487
15		1961	19	92	36	678,909	1,019	61	2, 950, 661
16	256	Wooden box factories	176	395	94	1, 643, 084	2,644	354	7, 003, 291
17		1958	153	369	96	1,684,026	2, 282	355	6, 338, 018
18		1959	148	349	73	1, 722, 167	2,358	346	6, 688, 195
19		1960	163	345	74	1,796,640	2,302	320	6,815,618
20		1961	160	339	89	1,826,627	2, 108	266	6, 216, 204
21	258	Coffin and casket industry 1957	57	132	57	768, 622	953	170	2, 809, 481
22		1958	61	128	60	785, 584	966	182	2, 999, 041
23		1959	60	136	58	888, 329	984	177	3, 059, 405
24		1960	64	138	59	887, 967	973	184	3, 228, 541
25		1961	64	136	57	916,631	977	180	3, 255, 368
		Miscellaneous wood industries:							
	2591	Wood preservation (included in 2599)							
26	2592	Wood handles and turning	62	155	46	846, 190	963	113	2, 408, 438
27		· 1958	64	164	51	883, 270	1,049	103	2, 667, 207
28		1959	61	164	46	874, 049	1,054	109	2, 665, 514
29		1960	59	151	42	839, 389	1,039	101	2, 799, 171
30		1961	60	144	43	811, 477	938	102	2, 604, 103
31	2593	Woodenware	30	60	16	274, 812	320	131	870, 223
32		1958	26	58	17	294, 774	309	110	831, 222
33		1959	22	52	14	289, 477	283	114	780, 299
34		1960	25	62	18	335, 298	328	130	940, 991
35	1	1961	25	60	12	345, 230	290	119	860, 760
	See foo	tnote at end of table.							

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-611 — Continued

employees	salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
number			dollars		
11,165	36, 772, 373	1, 764, 566	66, 974, 795		123, 617, 139
11,011	37, 895, 916	2, 049, 208	66, 973, 753	62, 596, 881	132, 460, 196
11,831	41, 343, 145	2, 123, 991	71, 353, 950	70, 414, 639	144, 443, 202
11,078	41, 926, 904	2, 599, 064	76, 372, 129	61, 299, 200	137, 880, 882
11, 109	42, 383, 394	2, 928, 750	79, 157, 716	60, 284, 921	143, 718, 667
17, 279	48, 872, 406	3, 555, 598	126,044,927	• •	204, 945, 315
16, 526	50, 472, 723	3, 529, 639	129, 551, 815	85, 780, 607	217, 812, 616
16, 801	53, 403, 984	3, 663, 094	140, 839, 138	92, 463, 029	235, 525, 672
15, 561	51, 148, 777	3, 589, 679	128, 086, 432	80,729,622	212, 831, 899
16, 175	54, 858, 138	3, 916, 597	138, 583, 139	93, 688, 651	235, 160, 488
1,451	4,009,276	258,726	9,396,178	• •	15, 314, 942
1,520	4, 418, 394	230, 492	9, 949, 577	7, 283, 282	17, 586, 103
1,461	4, 393, 323	184, 375	9,750,626	6, 473, 821	16, 086, 505
1, 280	3, 876, 494	192, 353	7, 936, 120	5, 795, 231	13, 833, 208
1, 208	3, 629, 570	158, 450	7,849,345	5, 976, 681	13, 997, 256
3, 487	8, 646, 375	499,732	12, 574, 064		26, 293, 870
3, 102	8,022,044	471, 574	10, 196, 933	11, 632, 729	22, 262, 825
3, 126	8, 410, 362	418, 454	10,842,742	12, 429, 531	23, 742, 909
3,041	8, 612, 258	391, 521	10, 884, 361	12, 793, 127	24, 049, 753
2,802	8, 042, 831	361, 167	10, 074, 770	11, 874, 774	22, 324, 470
1,312	3, 578, 103	161, 407	4, 589, 787		10, 003, 683
1,336	3, 784, 625	168, 453	4, 615, 700	5, 785, 521	10,617,850
1,355	3, 947, 734	155, 159	4,720,890	6, 221, 115	11,056,110
1,354	4, 116, 508	165, 709	4, 939, 218	6, 512, 308	11, 599, 334
1,350	4, 171, 999	166, 584	4, 907, 448	6, 643, 398	11, 738, 038
1,277	3, 254, 628	159, 354	4, 112, 133		9, 095, 193
1,367	3, 550, 477	167, 488	4, 428, 593	5, 500, 380	10, 054, 370
1, 373	3, 539, 563	169,691	4,091,526	5, 302, 002	9, 591, 274
1,333	3, 638, 560	190, 598	4,835,018	5, 389, 780	10, 184, 044
1, 227	3, 415, 580	185, 158	4, 239, 095	4, 429, 140	9, 232, 783
527	1, 145, 035	59,000	1, 594, 117	• •	3, 325, 343
494	1, 125, 996	48, 206	1,651,112	1, 764, 609	3, 462, 685
463	1, 069, 776	54, 351	1, 594, 701	1,891,656	3, 554, 543
538	1, 276, 289	61, 179	1,723,998	1, 938, 453	3, 596, 505

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,

1957-611- Continued

		1957	-611 - C	ontinued					
	S.I.C.	Industrial group and industry	Estab-	A	dministrati ffice empl	ve and oyees	P	roduction	workers
No.			ments	Male	Female	Salaries	Male	Female	Wages
				number	L	\$	nun	nber	\$
		8. Wood industries - Concluded:						1	
		Miscellaneous wood industries - Concluded:							
1	2594	Cooperage	7 56	105	28	453, 226	423	4	1, 244, 284
2		195		96	30	427,782	408	1	1, 123, 463
3		. 195		102	32	430,968	395	1	1, 150, 121
4		196	0 43	79	33	421, 488	358	2	1,018,009
5		196	1 33	92	34	471,883	341	15	1,050,104
									-,,
6	2599	Miscellaneous wood industries, n.e.s., 195 including wood preservation (2591).	7 165	476	163	2,778,443	2,825	228	9,308,543
7		195	133	412	138	2, 456, 127	2, 369	185	7, 866, 185
8		. 195	147	430	145	2,802,253	2,402	155	8, 214, 113
9		196	149	439	128	2,788,613	2, 195	92	8,004,361
10		196	1 146	397	111	2,670,893	2,078	92	7,562,316
11		Totals, wood industries 195	6,808	10 145	2 077	KO WOO 104	00.00	0.014	200 047 204
12		195		13, 145 12, 204	2,077	50, 792, 124	69, 927	3,014	208, 817, 591
13		195		11, 979	2,076 2,012	51, 674, 167 54, 400, 743	66, 589	2,919	209, 366, 706
14		196		11, 596	2,037	55, 829, 387	69, 282	2,908	216, 817, 987
15		196		10, 342	2,019	53, 768, 915	66, 333 64, 947	2,768	222, 359, 520
		200	0, 201	10,010	2,013	33, 100, 343	04,541	2, 734	226, 561, 789
		9. Furniture and fixture industries:							
16	261	Household furniture industry 195	1,472	2,901	876	14 100 202	15 450	1 040	45 000 504
17		195		2,706	851	14, 199, 363	15, 478	1, 340	45, 308, 524
18		195:		2, 700	851	14, 463, 967 15, 902, 224	14,823	1, 337	44,689,110
19		196		3,019	871	16, 550, 906	14, 950	1, 457	47,861,777
20		196		2, 916	882	16, 807, 085	14, 632	1,479	47, 483, 701
			1,555	2,520	302	20,001,000	14,002	1, 506	49, 342, 168
21	264	Office furniture industry 195	53	364	170	2, 332, 128	2, 209	85	6,907,982
22		1950	48	349	171	2, 355, 559	1,986	67	6,287,774
23		1958	48	387	196	2,600,068	2,365	85	7,832,769
24		1960	53	427	186	2,818,997	2, 338	79	8,093,208
25		1963	44	382	166	2,677,732	2, 229	76	8,025,710
26	266	Other furniture industries	204	1 100	405	B 046 005			
27	200	195		1, 188	427	7,042,367	6,494	877	21, 123, 166
28				1, 193	450	7,391,836	6, 435	899	21,622,696
29		1955		1, 240	464	8, 194, 884	6,526	840	22,763,906
30		. 1961		1,307	499	8,632,980	6,750	916	24, 258, 751
		130)	403	1, 205	495	8, 513, 279	6,593	876	23, 848, 558
31	268	Electric lamp and shade industry 1957	67	153	94	902, 401	499	439	1,941,667
32		1958	63	136	98	893,300	492	418	1, 980, 279
33		1959	56	123	86	912, 468	499	444	2, 239, 381
34		1960	63	123	95	942,684	537	406	2, 224, 995
35	ł	1961	62	126	90	987,995	514	465	2, 243, 146
		-					324	200 1	2,2,0,170

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^{\circ}$ - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
number			dollars		
560	1,697,510	123,863	4, 222, 132		6 620 064
535	1, 551, 245	117, 972	3, 982, 559	2,033,596	6, 620, 964 6, 084, 139
530	1,581,089	97, 946	3, 486, 394	2,056,717	5, 634, 211
472	1, 439, 497	111, 502	3,375,062	1, 780, 292	5, 253, 489
482	1, 521, 987	88,824	3, 170, 418	1,949,390	5, 207, 005
				2,020,000	0, 201, 000
3,692	12,086,986	964, 099	23, 684, 376	4 4	44, 454, 308
3, 104	10, 322, 312	849,923	20, 646, 833	17, 193, 697	38, 833, 229
3, 132	11,016,366	814,653	24, 233, 175	20,865,379	45, 174, 254
2,854	10, 792, 974	767, 275	20, 240, 575	21, 836, 467	41,874,075
2,678	10, 233, 209	759,462	20,694,898	18,679,319	39, 508, 149
88,163	259, 609, 715	15, 666, 131	529, 836, 120		944, 709, 529
83, 788	261,040,873	16, 581, 256	522, 788, 183	417, 422, 022	956, 768, 072
86, 181	271, 218, 730	17, 174, 119	552, 701, 252	447, 687, 468	1, 015, 657, 164
82,734	278, 188, 907	17, 743, 421	562, 403, 734	430, 612, 176	1,007,333,001
80,042	280, 330, 704	20, 339, 546	584, 792, 751	431, 372, 733	1,035,343,618
20,595	59, 507, 887	2, 148, 644	02 716 056		100 404 000
19,717	59, 153, 077	2,022,863	92,716,856 90,701,567	92,076,182	183, 424, 800
20,073	63, 764, 001	2,079,282	95, 912, 875	97, 152, 738	184, 411, 703 193, 096, 937
20,075	64, 034, 607	2, 127, 211	93, 537, 551	97, 655, 606	192, 284, 758
19,936	66, 149, 253	2, 166, 249	100,008,167	104, 219, 277	205, 596, 993
20,000	00, 110, 200	aj 100j a10	200,000,101	101, 210, 21,	200, 000, 000
2,828	9, 240, 110	393, 583	10,361,865		25, 896, 092
2, 573	8, 643, 333	412, 239	8,970,698	13, 633, 547	22,960,070
3,033	10, 432, 837	439, 630	11,976,321	16,078,879	28,470,965
3,030	10, 912, 205	447, 567	11,828,078	17, 123, 395	30,007,941
2,853	10,703,442	451, 992	11, 989, 391	17, 638, 038	29, 985, 050
8,986	28, 165, 533	1, 131, 621	46,907,685	••	94, 312, 351
8,977	29,014,532	1, 138, 861	47, 977, 167	48,606,056	97,663,289
9,070	30, 958, 790	1, 225, 824	51, 531, 277	51,656,838	103,875,910
9,472	32, 891, 731	1, 137, 288	52, 478, 989	54, 289, 445	107, 797, 372
9, 169	32, 361, 837	1, 199, 135	55, 657, 664	57, 460, 141	113, 667, 410
1, 185	2, 844, 068	100, 423	5, 830, 965	• •	11, 168, 745
1, 144	2,873,579	95, 871	6,050,983	5, 574, 023	11, 842, 550
1, 152	3, 151, 849	86, 278	6,553,226	5,800,020	12, 707, 122
1,161	3, 167, 679	87, 465	6, 317, 168	5, 492, 551	11,899,075
1, 195	3, 231, 141	89,605	6,979,898	5, 785, 539	12,812,652

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^{1}-$ Continued

		1	957 - (611 - C	ontinued					
	S.I.C.	Industrial group and industry		Estab- lish-		dministrati		P	roduction	workers
No.				ments	Male	Female	Salaries	Male	Female	Wages
		9. Furniture and fixtures industries — Concluded:			numbe	r	\$	nur	mber	\$
1		Totals, furniture and fixture industries	1957	1, 986	4, 606	1, 567	24, 476, 259	24, 680	2,741	75, 281, 339
2		,	1958	1,835	4, 384	1,570	25, 104, 662	23, 736	2,721	74, 579, 859
3			1959	1,898	4, 565	1, 597	27, 609, 644	24, 340	2,826	80, 697, 833
4			1960	2,070	4, 876	1, 651	28, 945, 567	24, 331	2,880	82, 060, 655
5			1961	2, 089	4, 629	1, 633	28, 986, 091	23, 968	2,923	83, 459, 582
		10. Paper and allied industries:								
0	071		1055	107	0.015	0.000				
6	271	Pulp and paper mills		127	8, 815	2,688	70, 407, 895	53,478	1,086	237, 581, 913
7 8			1958 1959	127	8,962	2,640	74,300,516	51,520	1,077	233, 571, 380
9			1960	126	9,089	2,622	77, 560, 075	52,330	1,121	245, 375, 678
10			1961	126	9,602	2,857	84,894,005	52, 209	1,104	260, 198, 841
10			1901	125	9, 587	2,784	83,936,706	52,384	1,044	271, 234, 354
11	272	Asphalt roofing manufacturers	1957	21	688	280	4,655,956	1,393	49	4,647,229
12			1958	18	644	250	4,330,902	1,445	56	5, 456, 255
13			1959	17	587	218	4, 262, 266	1,228	47	4,923,187
14			1960	18	527	202	3,668,201	1,085	31	4, 354, 548
15			1961	19	505	202	3,815,572	1,147	32	4, 854, 948
		Paper box and bag manufacturers:								
16	2731	Folding box and set-up box manufacturers	1957	141	1,019	503	7, 124, 737	4,014	2,537	18,499,027
17			1958	136	1,061	467	7,609,711	4,060	2,517	19,442,542
18			1959	141	972	419	7, 146, 880	4,243	2,517	20, 906, 543
19			1960	141	988	433	7,453,062	4,191	2,492	21,627,352
20			1961	133	855	390	6,771,675	4,075	2,200	21, 588, 648
21	2732	Corrugated box manufacturers	1957	34	940	443	5,211,320	3,300	1,019	15, 087, 891
22			1958	35	969	416	6,021,432	3,342	1,002	15, 899, 675
23			1959	40	1,063	431	6,481,852	3,776	1, 146	18, 109, 598
24			1960	39	1, 125	469	7,502,249	3,911	1,016	18,931,324
25			1961	40	987	380	7,065,682	3,963	944	19, 531, 691
26	2733	Paper bag manufacturers	1957	57	322	163	2,158,196	1,318	1,239	7, 125, 909
27			1958	56	316	172	2,255,904	1,368	1,253	7, 116, 077
28			1959	50	427	215	3,440,715	1,357	1,265	7, 788, 753
29			1960	59	417	244	3, 222, 778	1,582	1,315	8,733,190
30			1961	62	454	245	3,412,823	1,646	1,297	9, 420, 398
31	274	Other paper converters	1957	191,	1,350	896	10, 189, 480	4,868	2,659	23, 331, 406
32	1		1958	174	1,352	838	10,794,702	4,917	2,583	24,055,604
33			1959	170	1,368	830	11,536,746	4,728	2,436	24, 267, 822
34			1960	182	1,520	857	12,638,782	4,713	2,391	24,999,075
35			1961	190	1,486	821	13,074,022	4,936	2,498	26, 422, 646

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^1$ — Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	
number			dollars			No
			donais	1		
33, 594	99, 757, 598	3, 774, 271	155, 817, 371		314, 801, 988	1
32, 411	99, 684, 521	3, 669, 834	153, 700, 415	159, 889, 808	316, 877, 612	1
33, 328	108, 307, 477	3, 831, 014	165, 973, 699	170, 688, 475	338, 150, 934	
33, 738	111, 006, 222	3, 799, 531	164, 161, 786	174, 560, 997	341, 989, 146	1
33, 153	112, 445, 673	3, 906, 981	174, 635, 120	185, 102, 995	362, 062, 105	
					00%, 00%, 100	
66,067	307, 989, 808	108, 736, 978	618, 331, 788	4.0	1,415,820,896	6
64, 199	307, 871, 890	105, 863, 625	598, 754, 406	705, 956, 214	1,398,348,882	
65, 162	322, 935, 753	109,001,974	630, 202, 524	763, 184, 428	1,502,312,449	8
65,772	345,092,846	111, 259, 354	657, 865, 464	814, 797, 844	1,583,107,108	9
65, 799	355, 171, 060	117, 083, 749	680, 167, 806	842, 419, 885	1, 634, 606, 001	
				012, 110,000	1,034,000,001	10
2,410	9,303,185	817,850	20, 390, 640	• •	39, 969, 965	11
2,395	9, 787, 157	799, 192	22, 898, 400	21, 167, 207	44, 431, 513	12
2,080	9, 185, 453	745,393	22, 381, 390	17, 054, 107	40, 277, 543	13
1,845	8,022,749	702,375	20, 208, 001	16, 101, 478	37,013,292	14
1,886	8,670,520	819, 243	22, 585, 758	19,589,356	42, 162, 355	15
8,073	25,623,764	778,619	51,973,015	* 0	94,056,920	16
8, 105	27, 052, 253	806,948	55, 523, 596	44,531,959	100,051,865	17
8, 151	28, 053, 423	837,024	62, 155, 427	49, 478, 123	111,048,269	18
8, 104	29,080,414	829, 172	65, 944, 070	49, 438, 742	115, 286, 315	19
7,520	28, 360, 323	859, 275	65, 262, 823	48, 357, 707	113, 435, 640	20
5,702	20, 299, 211	1,041,047	73,068,759		111,674,339	21
5, 729	21, 921, 107	1,100,736	76, 515, 203	41, 286, 714	118,666,798	22
6,416	24, 591, 450	1,191,254	87, 599, 775	48,715,768	136, 351, 056	23
6, 521	26, 433, 573	1,217,084	89,872,778	48, 848, 739	139,843,298	24
6, 274	26, 597, 373	1,239,726	96,084,552	49, 966, 157	147,063,338	25
3,042	9, 284, 105	308,786	39, 178, 829	• •	61,490,955	26
3, 109	9,371,981	330,065	40,573,060	24,413,305	65, 245, 523	27
3, 264	11, 229, 468	354, 364	42,574,419	24,559,403	67, 158, 349	28
3,558	11, 955, 968	396, 325	49, 239, 161	27, 193, 871		29
3,642	12,841,221	424, 769	54, 252, 776	28,710,862	82, 577, 016	30
9,773	33,520,886	1,638,082	88, 684, 868	• •	154, 699, 123	31
9, 690	34, 850, 306	1,631,493	91,604,770	75, 737, 080		32
9,362	35, 804, 568	1,650,333	93,335,392	78, 530, 132	172, 945, 521	
9,481	37, 637, 857	1,683,425	95, 828, 389	78,048,909	173, 942, 284	
9,741	39, 496, 668	1,862,730	103, 149, 167	82, 272, 219	185, 889, 705	

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-611—Continued

		19	91-01		ontinued					
	S.I.C.	Industrial group and industry	E	stab- lish-		dministrati office empl		P	oduction v	vorkers
27.0	Code		m	nents	Male	Female	Salaries	Male	Female	Wages
No.					number		\$	nur	aber	\$
		10. Paper and allied industries - Concluded:								
1		Totals, paper and allied industries 19	957	571	13,134	4, 973	99, 747, 584	68,371	8,589	306,273,375
2		11	958	546	13,304	4, 783	105, 313, 161	66, 652	8,488	305, 541, 533
3		19	959	544	13,506	4, 735	110, 428, 534	67, 662	8, 532	321, 371, 581
4		1	960	565	14,179	5, 062	119, 379, 077	67, 691	8,349	338, 844, 330
5		. 19	961	569	13,874	4, 822	118, 076, 480	68, 151	8,015	353,060,685
		11. Printing, publishing and allied industries:								
6	2861	Printing and bookbinding 19	957 1	, 766	4,187	1,812	23, 911, 451	12, 172	4,444	52, 577, 877
7		19	958 1	.707	3,905	1,863	26, 253, 443	12,106	4,411	56, 981, 113
8		19	959 1	, 726	4,092	2,042	29,045,216	12,517	4,628	61,624,304
9		19	960 1	,751	4,242	2,044	29, 645, 170	12,530	4,575	63,479,391
10		. 19	961 1	, 688	3,920	1,907	27, 803, 802	11,699	4,366	60, 127, 514
11	2862	Lithographing19	957	189	1,161	676	8,878,978	4,487	1,777	22,315,715
12		19	958	192	1, 131	752	9,645,309	4,518	1,674	23, 797, 725
13		19	959	197	1, 145	720	10,099,467	4, 526	1,641	24, 745, 072
14		19	960	249	1,322	803	11,538,048	4,789	1,760	27, 345, 296
15		18	961	326	1,531	929	13,075,251	5, 769	2,053	32, 867, 773
16	2871	Engraving and duplicate plates 19	957	157	646	325	4, 924, 378	3, 191	528	16,703,669
17		19	958	161	592	326	5, 103, 222	2, 777	445	15,530,566
18		. 19	959	161	645	329	5, 794, 507	2,822	437	16, 183, 334
19		19	960	160	679	310	6,107,216	2, 817	435	16,359,057
20		19	961	171	715	326	6,116,841	2,663	398	16,360,835
21	2872	Trade composition and typesetting 19	957	52	185	59	1,112,301	849	26	3,393,109
22		19	958	51	153	60	1, 197, 128	812	18	3,595,695
23			959	54	172	60	1,365,551	856	18	4,025,823
24			960	56	195	62	1,668,200	865	12	4, 382, 088
25		18	961	57	198	66	1,743,256	906	17	4,684,334
26	288	Publishing only 19	957	404	1,395	2, 078	12,677,778	-	_	_
27		19	958	401	1,449	2,168	14,227,699	-	-	***
28	1	18	959	420	1,733	2,339	16, 488, 840	-	-	-
29		19	960	442	1, 945	2, 228	16, 714, 855	-	_	-
30		19	961	434	1,957	2, 078	17, 253, 249	-	_	-
31	289	Printing and publishing 19	957	772	9,383	5,374	57, 635, 299	14,287	1,902	65, 038, 494
32		19	958	746	8,911	5,370	58, 503, 094	14,220	2,077	69, 322, 794
33		19	959	742	9,154	5,397	63,357,024	14,353	1,996	72,098,567
34		19	960	752	9,493	5, 587	68, 826, 856	14, 267	2,089	74, 214, 735
35		19	961	752	9, 839	5,668	73, 947, 795	13,814	1,960	73, 920, 220

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957 - 61^{1} — Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
number			dollars		
			donars		
95, 067	406, 020, 959	113, 321, 362	891, 627, 899	••	1, 877, 712, 19
93, 227	410, 854, 694	110, 532, 059	885, 869, 435	913, 092, 479	1,894,559,32
94, 435	431, 800, 115	113, 780, 342	938, 248, 927	981, 521, 961	2,030,093,18
95, 281	458, 223, 407	116, 087, 735	978, 957, 863	1,034,429,583	2, 125, 894, 67
94, 862	471, 137, 165	122, 289, 492	1, 021, 502, 882	1,071,316,186	2, 205, 734, 05
22,615	76,489,328	1,935,002	73,710,805	• •	199, 955, 98
22, 285	83, 234, 556	1, 944, 401	77, 164, 548	134,546,161	212,635,18
23,279	90,669,520	2, 081, 421	87, 860, 625	153,050,272	241,061,73
23,391	93,124,561	2,145,830	87, 289, 759	155,153,426	243,605,25
21,892	87,931,316	2,007,764	82, 874, 305	146,131,269	230, 144, 64
8,101	31,194,693	637,665	36,012,875		86,392,27
8,075	33,443,034	674,010	41,531,138	52, 945, 464	95, 283, 31
8, 032	34, 844, 539	664,964	42,143,796	55, 524, 461	97,210,820
8,674	38, 883, 344	741,428	49,687,582	63,546,632	113,996,413
10,282	45, 943, 024	991,318	59, 748, 348	79, 907, 537	140,327,433
4,690	21,628,047	435,656	7, 945, 394	4.0	41,199,112
4,140	20,633,788	399,133	7,587,166	31,372,483	39,404,810
4,233	21,977,841	420,858	8,498,958	32,917,176	41,566,577
4,241	22,466,273	407,708	8,927,861	33,102,529	42,397,175
4,102	22,477,676	406,062	8,466,835	33, 245, 787	42,203,290
1,119	4,505,410	71,996	531, 983	• •	7, 169, 831
1,043	4, 792, 823	71,517	652,456	6,568,872	7, 293, 150
1,106	5,391,374	67,070	612,554	7,922,008	8,574,832
1,134	6,050,288	67,211	634, 180	8,608,301	9,284,819
1,187	6,427,590	73,428	562,165	9, 243, 568	9,870,910
3,473	12,677,778	-	22, 033, 415		56, 229, 044
3,617	14,227,699	-	23,523,195	37,824,558	61,347,753
4,072	16, 488, 840	-	25,691,759	44,065,642	69, 757, 401
4,173	16,714,855	-	27,832,160	50,164,178	78,019,253
4,035	17, 253, 249	-	29,752,903	49,650,899	79,418,346
30, 946	122,673,793	2,752,825	88, 279, 276		313,352,222
30,578	127, 825, 888	2,690,926	86,446,713	237,724,710	326,660,970
30,900	135, 455, 591	2,706,687	91,429,342	253,625,589	346,597,389
31,436	143,041,591	2,966,809	94,260,807	261,707,285	358, 524, 761
31,281	147, 868, 015	3,071,061	94,312,158	272, 920, 148	370, 327, 715

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-61' — Continued

		1957 - 6	11 - Co	ntinued					
	S.I.C. Code	Industrial group and industry	Estab-		dministrat		F	roduction	workers
No.	Code		ments	Male	Female	Salaries	Male	Female	Wages
				number	L	\$	nu	nber	\$
		11. Printing, publishing and allied industries — Concluded:		1				1	
1		Totals, printing, publishing and allied 1957	3, 340	16, 957	10, 324	109, 140, 185	34, 986	8,677	160, 028, 864
2		industries.	3, 258	16, 141	10, 539	114, 929, 895	34, 433	8, 625	169, 227, 893
3		1959	3,300	16, 941	10, 887	126, 150, 605	35, 074	8,720	178, 677, 100
4		1960	3, 410	17, 876	11,034	134, 500, 345	35, 268	8, 871	185, 780, 567
5		1961	3,428	18, 160	10,974	139, 940, 194	34, 851	8, 794	187, 960, 676
		12. Primary metal industries:							
6	291	Iron and steel mills 1957	42	4, 259	1,132	30,879,701	30, 422	191	141, 112, 938
7		. 1958	42	4, 229	1,060	32, 153, 515	25, 109	172	117,619,972
8		1959	40	4, 530	1, 161	35, 313, 054	29, 422	207	149, 960, 781
9		1960	39	4,888	1,304	38, 866, 481	28, 994	178	149,715,990
10		1961	42	4,814	1, 213	40, 169, 947	28, 344	175	152, 941, 951
11	292	Steel pipe and tube mills	10	501	104	0.500.400			4
12	202	1958	13	581 586	184 183	3,596,407	3, 214	35	15,738,685
13		1959	14	495	153	4,039,686 3,693,514	2, 880 2, 703	55	13, 294, 657
14		1960	15	546	123	3,745,018	2, 103	13 12	13, 602, 591
15		1961	18	532	114	3, 923, 794	2, 574	13	13, 881, 838
						0,020,101	2,014	10	10,001,000
16	294	Iron foundries 1957	160	1,142	390	7, 542, 284	8,763	162	30, 813, 721
17		1958	147	1,082	360	7,032,103	7,774	134	28, 318, 663
18		1959	141	1,058	341	7,201,436	8, 264	152	32, 572, 288
19		. 1960	140	1,022	303	7, 163, 433	7, 258	. 121	28, 869, 715
20		1961	140	1,034	269	6, 992, 077	6,743	126	27, 460, 963
21	295	Smelting and refining ² 1957	22	4,807	701	29, 933, 532	24, 527	53	107, 124, 871
22		1958	24	4,844	752	33,840,156	21,714	. 51	99, 225, 435
23		1959	23	4,739	653	32, 569, 476	22,728	52	106, 750, 147
24		1960	22	4,954	659	34, 906, 013	24,365	46	120, 509, 070
25		1961	24	5, 135	647	37, 416, 242	23,463	45	118, 532, 093
26	296	Aluminium rolling coating and antendary tops							
27	200	Aluminium, rolling, casting and extruding 1957	39	1,590	671	11,149,331	3, 185	115	11,776,396
28		1958	39 41	1, 284	640	11,031,433	3, 174	100	12, 347, 171
29			44	1, 295	689 743	11,098,046 12,101,829	3,344	97	13, 755, 315
30		1960	43	1,463	652	12, 101, 829	3, 594	111	15, 339, 289 16, 324, 311
				., 200	-	2,22,100	0,000	4.20	20,027,011
31	297	Copper and alloy rolling, casting and extrud- 1957 ing.	74	444	140	3, 169, 354	2, 539	40	10, 286, 593
32		1958	68	605	193	4, 394, 839	2, 936	37	12, 187, 249
33		1959	67	568	176	4, 030, 443	2,853	. 22	12,814,064
34		1960	69	564	170	4,086,449	2,726	. 23	12, 370, 829
99		1961	69	584	147	3, 980, 952	2,695	15	12, 492, 764

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^1$ — Continued

Total salaries and wages fuel and electricity cost of fuel and electricity cost at plant of materials used by manufacture cost and wages and wages cost and	No. 1 2 3 4 5 5
70, 944 269, 169, 049 5, 833, 144 228, 513, 748 704, 298, 471 69, 738 284, 157, 788 5, 779, 987 236, 905, 216 500, 982, 248 742, 625, 186 71, 622 304, 827, 705 5, 941, 000 256, 237, 034 547, 105, 148 804, 768, 758 73, 049 320, 280, 912 6, 328, 986 268, 632, 349 572, 282, 351 845, 827, 676 72, 779 327, 900, 870 6, 549, 633 275, 716, 714 591, 099, 208 872, 292, 337 36, 004 171, 992, 639 28, 052, 716 332, 793, 588 711, 115, 773 30, 570 149, 773, 487 21, 408, 072 256, 480, 660 311, 393, 545 594, 796, 122 35, 320 185, 273, 835 26, 440, 223 361, 948, 102 403, 392, 320 789, 810, 663 35, 364 188, 582, 471 28, 338, 903 346, 039, 693 367, 993, 864 734, 483, 217 34, 546 193, 111, 888 29, 734, 365 351, 246, 150	1 2 3 4 5 5 6 7 8
70, 944 269, 169, 049 5, 833, 144 228, 513, 748 704, 298, 471 69, 738 284, 157, 788 5, 779, 987 236, 905, 216 500, 982, 248 742, 625, 186 71, 622 304, 827, 705 5, 941, 000 256, 237, 034 547, 105, 148 804, 768, 758 73, 049 320, 280, 912 6, 328, 986 268, 632, 349 572, 282, 351 845, 827, 676 72, 779 327, 900, 870 6, 549, 633 275, 716, 714 591, 099, 208 872, 292, 337 36, 004 171, 992, 639 28, 052, 716 332, 793, 588 711, 115, 773 30, 570 149, 773, 487 21, 408, 072 256, 480, 660 311, 393, 545 594, 796, 122 35, 320 185, 273, 835 26, 440, 223 361, 948, 102 403, 392, 320 789, 810, 663 35, 364 188, 582, 471 28, 338, 903 346, 039, 693 367, 99, 864 734, 483, 217 34, 546 193, 111, 898 29, 734, 365 351, 366, 156 361, 948, 102 367, 99, 864 734, 483, 217	2 3 4 5
69, 738	2 3 4 5
69, 738	2 3 4 5
71, 622 304, 827, 705 5, 941, 000 256, 237, 034 547, 105, 148 804, 768, 758 73, 049 320, 280, 912 6, 328, 986 268, 632, 349 572, 282, 351 845, 827, 676 72, 779 327, 900, 870 6, 549, 633 275, 716, 714 591, 099, 208 872, 292, 337 36, 004 171, 992, 639 28, 052, 716 332, 793, 588 711, 115, 773 30, 570 149, 773, 487 21, 408, 072 256, 480, 660 311, 393, 545 594, 796, 122 35, 320 185, 273, 835 26, 440, 223 361, 948, 102 403, 392, 320 789, 810, 663 35, 364 188, 582, 471 28, 338, 903 346, 039, 693 367, 993, 864 734, 483, 217 34, 546 193, 111, 898 29, 734, 365 351, 346, 150 351, 346, 150 361, 948, 102 361, 948, 217	3 4 5 6 7 8
73, 049 320, 280, 912 6, 328, 986 268, 632, 349 572, 282, 351 845, 827, 676 72, 779 327, 900, 870 6, 549, 633 275, 716, 714 591, 099, 208 872, 292, 337 36, 004 171, 992, 639 28, 052, 716 332, 793, 588 711, 115, 773 30, 570 149, 773, 487 21, 408, 072 256, 480, 660 311, 393, 545 594, 796, 122 35, 320 185, 273, 835 26, 440, 223 361, 948, 102 403, 392, 320 789, 810, 663 35, 364 188, 582, 471 28, 338, 903 346, 039, 693 367, 993, 864 734, 483, 217 34, 546 193, 111, 898 29, 734, 365 351, 346, 150 461, 262	4 5 6 7 8
72,779 327,900,870 6,549,633 275,716,714 591,099,208 872,292,337 36,004 171,992,639 28,052,716 332,793,588 711,115,773 30,570 149,773,487 21,408,072 256,480,660 311,393,545 594,796,122 35,320 185,273,835 26,440,223 361,948,102 403,392,320 789,810,663 35,364 188,582,471 28,338,903 346,039,693 367,993,864 734,483,217 34,546 193,111,898 29,734,365 351,346,150 400,339,693 367,993,864 734,483,217	5 6 7 8
36,004 171,992,639 28,052,716 332,793,588 711,115,773 30,570 149,773,487 21,408,072 256,480,660 311,393,545 594,796,122 35,320 185,273,835 26,440,223 361,948,102 403,392,320 789,810,663 35,364 188,582,471 28,338,903 346,039,693 367,993,864 734,483,217	6 7 8
30,570 149,773,487 21,408,072 256,480,660 311,393,545 594,796,122 35,320 185,273,835 26,440,223 361,948,102 403,392,320 789,810,663 35,364 188,582,471 28,338,903 346,039,693 367,993,864 734,483,217 34,546 193,111,898 29,734,365	7
30,570 149,773,487 21,408,072 256,480,660 311,393,545 594,796,122 35,320 185,273,835 26,440,223 361,948,102 403,392,320 789,810,663 35,364 188,582,471 28,338,903 346,039,693 367,993,864 734,483,217 34,546 193,111,898 29,734,365	7
30,570 149,773,487 21,408,072 256,480,660 311,393,545 594,796,122 35,320 185,273,835 26,440,223 361,948,102 403,392,320 789,810,663 35,364 188,582,471 28,338,903 346,039,693 367,993,864 734,483,217 34,546 193,111,898 29,734,365	7
35, 320 185, 273, 835 26, 440, 223 361, 948, 102 403, 392, 320 789, 810, 663 35, 364 188, 582, 471 28, 338, 903 346, 039, 693 367, 993, 864 734, 483, 217 34, 546 193, 111, 898 29, 734, 365 351, 246, 150	8
35, 364 188, 582, 471 28, 338, 903 346, 039, 693 367, 993, 864 734, 483, 217 34, 546 193, 111, 898 29, 734, 365 351, 346, 150 443, 150 443, 150 44	
34,546 193.111.898 20.734.265 25.1346.150	9
34, 546 193, 111, 898 29, 734, 365 351, 346, 159 411, 494, 397 789, 271, 070	
	10
4,014 19,335,092 1,912,015 90,034,568	
3 704 17 234 242	11
3 264 17 200 107 108 108 108 108 108 108 108 108 108 108	12
3 190 16 100 477 0 1 100 477	13
3, 233 17, 805, 622 2, 122, 762 10, 761, 952 33, 407, 953 120, 860, 404	14
3, 233 17, 805, 632 2, 122, 763 101, 731, 357 47, 808, 496 154, 868, 399	15
10, 457 38, 356, 005 2, 258, 253 39, 014, 563 . 102, 920, 047	16
9, 350 35, 350, 766 2, 242, 676 27, 125, 100	17
9, 815 39, 773, 724 2, 536, 114 47, 000, 573	18
8,704 36,033,148 2,245,291 40,460,010	19
8, 172 34 453 040 2 277 426 26 665 000 51 000 000	20
AW AAA	21
00 170	22
00.004	23
20 200 155 040 205 1 40 200 200	24
29, 290 155, 948, 335 49, 000, 322 891, 950, 994 530, 096, 705 1, 471, 048, 021 2	25
5,561 22,925,727 1,607,709 51,197,918 78,200,830 2	26
5 108 22 270 604 1 601 040 74 000 070	27
5 425 24 952 221 1 919 207 57 424 919 20 704 204	28
5.916 27.441.118 1.010.025 62.000.500 07.007.470	29
5 893 28 526 066 2 000 047 76 761 001	30
3, 163 13, 455, 947 1, 277, 316 80, 165, 450 . 106, 916, 125 3	1
3,771 16,582,088 1,525,696 77,186,599 30,425,815 108,627,690 3	2
3,619 16,844,507 1,683,577 90,102,298 31,855,400 121,151,686 3	3
3,483 16,457,278 1,518,955 86,511,590 29,012,028 117,770,396 3	4
3, 441 16, 473, 716 1, 561, 678 92, 138, 052 29, 510, 373 122, 307, 936 3	5

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-611 — Continued

	S.I.C.	Industrial group and industry	Esta)-	dministrati office empl		P	roduction	workers
	Code	and	ment	Male	Female	Salaries	Male	Female	Wages
No.				number		\$	nun	nber	\$
		12. Primary metal industries - Concluded:							
1	298	Metal rolling, casting and extruding, n.e.s. 19	7 6	8 617	188	4,077,289	2,010	191	7, 322, 764
2		195	8 6	9 572	172	3,953,989	1,617	153	6,338,561
3		. 198	9 7	629	168	4, 156, 440	1,713	160	6,662,208
4		196	30 7	643	167	4,301,737	1,616	212	6,633,410
5		196	31 7	4 627	175	4,371,138	1,678	183	6, 919, 526
6		Totals, primary metal industries 19	57 41	8 13,440	3,406	90, 347, 898	74, 660	787	324, 175, 968
7		19		3 13, 202	3,360	96, 445, 721	65, 204	702	289, 331, 708
8		19:	59 39		3,341	98, 062, 409	71, 027	703	336, 117, 394
9		19	60 40	4 14, 085	3,469	105, 170, 960	71, 001	703	345, 885, 762
10		19	61 41	0 14, 189	3, 217	109, 065, 905	69, 133	699	348, 553, 446
		13. Metal fabricating industries (except machinery and transportation equipment industries):							
11	301	Boiler and plate works 19	57 7	8 1,068	344	6, 808, 293	3,794	21	14,468,286
12		19	58 7	5 1,125	334	6,950,985	3,256	30	12, 368, 435
13		19	59 7	2 1,144	335	7,303,307	3,404	. 24	13, 278, 938
14		19	60 7	0 1,070	329	7,049,610	3,278	29	13,687,185
15		19	61 6	8 1,078	300	7, 222, 830	3,105	28	12,839,021
16	302	Fabricated structural metal industry ² 19	57 6	3 3,252	723	20,586,338	13,458	12	57, 052, 099
17		19	58 6	8 3,218	727	21,737,838	11,651	18	49, 787, 645
18		19	59 6	8 3,285	760	22, 229, 080	11,688	13	51,835,609
19		19	60	3 3,234	769	22,787,093	11,161	31	50, 245, 098
20		. 19	61	8 3,020	645	21, 145, 158	10,080	44	47, 264, 374
2i	303	Ornamental and architectural metal industry 19	57 31	6 1,596	485	9,358,983	5,788	255	20, 324, 511
22		19	58 44	5 1,760	566	10,654,634	5,732	328	20, 225, 918
23		. 19	59 44	2 2,020	581	11,835,185	6,430	328	23,600,524
24		19	60 5:	1 1,953	527	11,883,303	6,038	236	22, 950, 604
25		19	61 54	9 2,116	576	13, 269, 089	6,563	250	25, 576, 844
26	304	Metal stamping, pressing and coating industry 19	57 3'	2 3,094	1,194	20, 728, 675	12,374	1,551	51,004,602
27		19	58 39	2,961	1,216	21, 178, 452	11,924	1,512	51, 974, 545
28		. 19	59 39	3,112	1,238	23,499,287	12,502	1,563	58, 103, 965
29		. 19	60 4:	3,396	1,311	26, 080, 948	12,815	1,600	60, 510, 994
30		19	61 4	3, 108	1,268	23, 217, 569	12,651	1,557	61, 757, 720
31	305	Wire and wire products manufacturers 19	57 1	79 2,063	906	14,570,770	8,761	922	36, 527, 128
32		19	58 1	1,999	899	14,802,811	8, 167	779	34, 494, 701
33	1	19	59 1	2, 241	947	16,775,797	9,082	914	40, 997, 563
34		19	60 1	2, 200	887	16, 912, 954	8,389	852	39, 355, 189
35		. 19	61 1	2,090	823	16,752,106	8, 234	848	40, 106, 497

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^{1}-{
m Continued}$

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
number			dollars		
			dollars		
2 000					
3,006	11,400,053	1,091,674	45,372,397	• •	65,764,057
2,514	10, 292, 550	1,030,736	36, 319, 711	16,627,395	54,444,036
2,670	10, 818, 648	1,122,376	37, 228, 240	20, 634, 684	58,305,846
2,638	10, 935, 147	1, 125, 151	35,460,121	19, 197, 665	55,681,073
2,663	11, 290, 664	1,111,591	41, 105, 256	22,630,320	63,907,467
92, 293	414, 523, 866	78, 934, 466	1, 387, 616, 279	• •	2, 472, 248, 355
82, 468	385, 777, 429	73, 666, 157	1, 212, 040, 725	1, 019, 627, 840	2, 199, 317, 658
88, 385	434, 179, 803	82, 914, 027	1, 457, 394, 162	1, 048, 263, 609	2, 565, 092, 848
89, 258	451, 056, 722	88, 095, 709	1, 555, 515, 212	1, 090, 862, 239	2, 728, 773, 897
87, 238	457, 619, 351	87, 898, 002	1, 591, 688, 041	1, 129, 978, 204	2, 806, 483, 787
5,227	21, 276, 579	909, 473	35,860,900		66, 136, 551
4,745	19,319,420	812,353	29, 992, 041	30,031,443	61,440,812
4,907	20, 582, 245	841,556	36,025,129	31,874,399	66, 915, 979
4,706	20, 736, 795	772, 053	33, 116, 617	33, 209, 628	67,973,535
4,511	20,061,851	801,075	36, 078, 235	31, 350, 617	69,011,468
17,445	77, 638, 437	2, 212, 888	133,886,724		267, 795, 254
15,614	71,525,483	2,015,821	112,546,731	119,642,283	234, 226, 832
15,746	74, 064, 689	2, 157, 286	113,414,930	112, 687, 192	229, 802, 403
15,195	73, 032, 191	2, 191, 050	110, 143, 733	106, 248, 590	218,683,965
13,789	68, 409, 532	2,016,648	112, 014, 777	96,029,106	210,061,203
8,124	29,683,494	1, 256, 779	43,410,285		97, 342, 407
8,386	30, 880, 552	1, 232, 800	44,605,778	56, 759, 529	101,332,612
9,359	35, 435, 709	1,421,858	52,407,497	61,859,830	113,992,553
8,754	34,833,907	1,350,305	52,933,122	59, 920, 646	114,615,642
9,505	38, 845, 933	1,481,299	61, 140, 812	70,083,618	132, 229, 591
18, 213	71,733,277	3,325,758	155, 293, 560		286, 423, 754
17,613	73, 152, 997	3,362,351	161,596,070	141,787,112	307, 972, 702
18,415	81,603,252	3,531,651	179, 539, 823	154, 369, 234	333,054,463
19, 122	86, 591, 942	3,696,375	168,580,770	165, 313, 068	337, 473, 276
18,584	84, 975, 289	3,861,516	203, 300, 028	168, 578, 452	374, 352, 563
12,652	51, 097, 898	2,875,299	108, 022, 120	• •	197, 937, 577
11,844	49, 297, 512	2,690,317	105, 145, 137	79, 052, 036	188, 760, 214
13, 184	57,773,360	3, 122, 602	123, 838, 999	92, 348, 569	215, 343, 966
12,328	56, 268, 143	2,891,653	119,043,644	88, 913, 641	210, 229, 077
11,995	56, 858, 603	3,058,946	125, 325, 503	91, 685, 773	220, 701, 880

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957 - 611 - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments				P	roduction	workers	
No. 1 3	Code		ments	Administrat office emp			Production		workers	
1 3			Monto	Male	Female	Salaries	Male	Female	Wages	
				number	L	\$	nun	nber	. \$	
		13. Metal fabricating industries (except machinery and transportation equipment industries) — Concluded:								
	306	Hardware, tool and cutlery manufacturers 1957	284	1,338	657	9,802,846	6,022	926	23,735,890	
2		1958	295	1,401	691	10,433,490	5,559	1,004	22, 762, 189	
3		. 1959	296	1,405	693	10,956,326	5,884	1,091	25, 134, 342	
4		. 1960	303	1,384	679	11,406,017	5,632	1,009	25, 060, 234	
5		1961	308	1,199	616	10, 157, 201	5,644	1,092	26, 112, 257	
	307	Heating equipment manufacturers	95	. 888	321	5,303,399	3,231	. 82	11,263,157	
7		1958	106	972	352	6,087,128	3,351	101	12,451,664	
8		1959	102	1,216	438	7,518,715	3,767	102	14,676,071	
9		. 1960	113	1,118	398	7,541,751	3,368	. 80	13, 111, 074	
10		1961	112	1,066	376	7,605,964	3,423	68	13,405,964	
11 3	308	Machine shops 1957	695	1,482	285	7, 122, 204	5,687	79	18, 913, 980	
12		. 1958	743	1,500	353	.7,737,185	5,178	82	18,772,092	
13		1959	737	1,559	364	8,389,297	5,313	78	20, 215, 627	
14		. 1960	757	1,695	406	8,911,922	5,650	123	21, 980, 125	
15		1961	778	1,666	415	9,427,932	5,944	119	23, 487, 435	
16 3	309	Miscellaneous metal fabricating industries 1957	283	3,183	1,156	19, 188, 431	12,621	1,394	48, 487, 000	
17		1958	279	2, 803	1,035	18,076,598	10,339	1,338	41, 934, 025	
18		1959	279	2,954	999	19,567,849	10,312	1,263	44,002,848	
19		1960	317	2,949	1,025	20,306,513	10,102	1, 154	44, 037, 335	
20		1961	331	2,622	952	18,574,590	9,935	1,090	43,993,393	
21		Totals, metal fabricating industries 1957	2, 425	17, 964	6,071	113, 469, 939	71, 736	5, 242	281, 776, 653	
22		. 1958	2, 591	17, 739	6, 173	117, 659, 121	65, 157	5, 192	264, 771, 214	
23		1959	2, 576	18, 936	6, 355	128, 074, 843	68, 382	5, 376	291, 845, 487	
24		1960	2, 756	18, 999	6,331	132, 880, 111	66, 433	5, 114	290, 937, 838	
25		. 1961	2, 859	17, 965	5, 971	127, 372, 439	65, 579	5, 096	294, 543, 505	
		14. Machinery industries (except electrical machinery):								
26 3	311	Agricultural implement industry 1957	63	1,912	495	10,743,377	7,217	101	26, 829, 575	
27		1958	62	2,005	532	12,681,066	7,911	78	33, 074, 068	
28		1959	63.	2,313	574	15, 757, 286	10,084	85	44, 241, 954	
29		1960	68	2,457	588	17,529,275	7,816	63	35, 171, 512	
30		1961	67	2,812	671	18,543,276	6,950	54	30, 995, 332	
31 3	315	Miscellaneous machinery and equipment man- 1957	371	7,220	2,562	43, 223, 113	20,328	731	79, 758, 901	
32		ufacturers.	397	6,892	2,309	43, 120, 172	16, 245	602	64, 430, 912	
33		1959	393	6,989	2,375	45,818,908	17, 199	767	72, 865, 951	
34		1960	396	7,088	2,380	49,023,712	17,395	693	74, 470, 346	
35		1961	420	6,755	2,256	48, 189, 513	16, 881	718	74,556,698	

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	
number			dollars			_
			donars			1
8, 943	22 500 500					
8,655	33,538,736	1,453,011	29,803,532	• •	95, 867, 748	3
9,073	33, 195, 679	1,380,211	29, 728, 659	65,377,513	96, 089, 361	1
8,704	36,090,668	1,442,833	33,917,345	70, 796, 281	104, 848, 707	1
8,551	36, 466, 251	1,468,945	34, 145, 494	70, 762, 448	106, 495, 755	;
6,551	36, 269, 458	1,506,352	36, 802, 171	74, 368, 059	111,427,554	
4,522	16,566,556	677, 161	28, 981, 700		60,026,223	
4,776	18, 538, 792	737,441	31,689,501	37, 988, 478	69, 556, 816	
5,523	22, 194, 786	834,608	37, 187, 969	45,871,682	83,385,442	
4,964	20, 652, 825	820, 222	34,788,881	39, 219, 291	75, 793, 893	
4, 933	21,011,928	809, 564	35, 274, 534	42, 259, 119	78,487,572	
7,533	26, 036, 184	1,144,690	18,477,348		56, 974, 709	
7, 113	26, 509, 277	1,115,358	19,019,685	37, 047, 578	57, 376, 905	H
7,314	28,604,924	1, 273, 348	21,039,567	43,900,903	64, 673, 222	ı
7,874	30, 892, 047	1,347,096	22, 946, 019	48, 088, 146	71, 844, 422	ı
8, 144	32, 915, 367	1,417,974	29, 177, 808	47, 155, 739	77, 441, 566	1
18,354	67, 675, 431	4,551,198	86,354,192		201, 529, 393	
15,515	60,010,623	4,098,653	80, 245, 246	99,724,015	186, 030, 958	1
15,528	63,570,697	4,101,450	86, 140, 740	119, 281, 432	208, 298, 518	н
15,230	64, 343, 848	4, 137, 128	90, 532, 723	115, 479, 269	209, 375, 208	1
14,599	62, 567, 983	4,006,296	95, 286, 258	117,508,347	218, 977, 448	1
101, 013	395, 246, 592	18, 406, 257	640, 090, 361		1, 330, 033, 616	1
94, 261	382, 430, 335	17, 445, 305	614, 568, 848	667, 409, 987	1, 302, 787, 212	П
99, 049	419, 920, 330	18, 727, 192	683, 511, 999	732, 989, 522	1, 420, 315, 253	
96, 877	423, 817, 949	18, 674, 827	666, 231, 003	727, 154, 727	1, 412, 484, 773	-
94, 611	421, 915, 944	18, 959, 670	734, 400, 126	739, 018, 830	1, 492, 690, 845	1
9,725	37,572,952	1,715,775	58,348,750		118,044,407	1
10,526	45, 755, 134	1,854,679	75, 755, 360	58, 240, 169		
13,056	59, 999, 240	2,368,522	99, 207, 703	75, 900, 835	166, 191, 558	
10, 924	52,700,787	1,972,740	78,430,986	61,658,837	152, 123, 416	
10,487	49,538,608	1,865,408	73,947,376	60, 092, 972	138,044,910	
30, 841	122, 982, 014	3,909,037	171,593,707		398,212,421	3
26,048	107, 551, 084	3,889,270	152, 722, 754	178, 039, 957	343, 268, 931	
27,330	118, 684, 859	4, 220, 743	164, 837, 810	209, 389, 617	371, 265, 688	
27,556	123, 494, 058	4,323,599	172, 825, 978	215, 300, 030	389, 380, 944	
26,610	122,746,209	4,431,621	178, 603, 989	208, 462, 946	390, 689, 239	2

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957 - 61^{1} — Continued

		1957 - 6	11 - Co	ontinued					
	S.I.C. Code	Industrial group and industry	Estab-		dministrati office empl		P	roduction v	vorkers
No.	0000		ments	Male	Female	Salaries	Male	Female	Wages
				number	1	\$	nun	nber	\$
		14. Machinery industries (except electrical machinery) — Concluded:							
1	316	Commercial refrigeration and air conditioning 1957 equipment manufacturers.	29	302	113	1,878,987	1,018	5	3, 495, 946
2		1958	29	302	112	1,984,503	964	12	3,636,021
3		1959	30	299	101	2,061,881	1,056	9	4, 117, 819
4		1960	33	332	111	2,346,808	1, 140	18	4,399,487
5		1961	34	321	101	2, 235, 914	1, 117	15	4,493,921
6	318	Office and store machinery manufacturers 1957	20	551	303	3,760,476	2,413	605	10, 555, 864
7		1958	23	437	290	3,958,035	2,003	437	9,608,550
8		1959	22	528	288	4,310,410	1,944	412	10,701,997
9		1960	22	612	342	5,311,713	1,917	417	10, 248, 702
10		1961	25	707	380	5,640,001	1,925	420	10,951,792
11		Totals, machinery industries 1957	483	9, 985	3, 473	59, 605, 953	30, 976	1, 442	120, 640, 286
12		1958	511	9, 636	3, 243	61, 743, 776	27, 123	1, 129	110, 749, 551
13		1959	508	10, 129	3, 338	67, 948, 485	30 283	1, 273	131, 927, 721
14		1960	519	10, 489	3, 421	74, 211, 508	28, 268	1, 191	124, 290, 047
15		1961	546	10, 595	3, 408	74, 608, 704	26, 873	1, 207	120, 997, 741
		15. Transportation equipment industries:							
16	321	Aircraft and parts manufacturers ² 1957	68	11,676	3,425	74, 718, 440	26,315	721	106, 786, 401
17		1958	74	11,872	3,314	79, 413, 482	24,774	582	105,092,975
18		1959	77	8,099	2,362	60,778,540	18, 154	477	84,082,139
19		1960	82	7,375	2, 121	53,769,868	17, 170	417	77, 804, 643
20		1961	80	7,001	2, 132	54, 104, 920	18,858	395	87, 825, 202
21	323	Motor vehicle manufacturers 1957	15	6, 381	1,659	42, 732, 799	24, 118	389	98,460,012
22		1958	14	5,714	1,393	41,733,029	18, 277	327	85, 344, 953
23		1959	15	5, 645	1,386	44, 396, 704	20,481	340	99, 932, 640
24		1960	17	5,864	1,382	46,080,318	19,499	336	103, 376, 562
25		1961	17	4,353	1, 190	36, 257, 404	15, 799	331	84, 681, 109
26	324	Truck body and trailer manufacturers 1957	93	609	208	3,823,377	2,753	5	9,407,942
27		1958	91	654	212	4, 197, 872	2,659	13	9, 777, 176
28		1959	101	688	219	4,485,308	2,908	21	10, 463, 790
29		1960	114	700	208	4,605,770	2,676	22	9,764,375
30		1961	112	613	188	3,990,477	2,549	19	9,301,370
31	325	Motor vehicle parts and accessories manufac- 1957 turers.	115	2, 790	948	19, 460, 793	11,634	2,279	53, 185, 514
32		1958	116	2, 595	863	19, 227, 435	9,983	2,005	47,897,173
33		1959	110	2, 588	835	19,669,571	10,215	2, 116	53, 446, 293
34		1960	114	2, 669	906	20,932,728	9,998	1,958	53, 294, 549
35		1961	126	3,923	999	30,617,884	13,800	2,098	72, 383, 983

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957 - 61^1 - \text{Continued}$

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
number			dollars		
1,438	5, 374, 933	197,866	7, 558, 541		17, 628, 399
1,390	5,620,524	228, 101	7,711,025	9, 466, 624	17,813,668
1,465	6, 179, 700	246, 485	9, 159, 787	11,937,370	20,828,544
1,601	6,746,295	302,680	9,723,870	13,059,361	22, 633, 244
1,554	6,729,835	279,671	10, 138, 479	12,707,870	23, 181, 886
3,872	14,316,340	235, 157	27, 868, 680	• •	62, 668, 367
3, 167	13, 566, 585	241,760	21,711,214	31,095,424	54, 489, 162
3, 172	15,012,407	260, 120	26, 944, 302	30, 446, 731	55, 749, 422
3,288	15, 560, 415	247, 345	36, 557, 312	36, 969, 165	73, 536, 244
3,432	16, 591, 793	283, 560	41, 254, 099	48, 499, 795	87, 823, 391
45, 876	180, 246, 239	6, 057, 835	265, 369, 678	• •	596, 553, 594
41, 131	172, 493, 327	6, 213, 810	257, 900, 353	276, 842, 174	544, 747, 638
45, 023	199, 876, 206	7, 095, 870	300, 149, 602	327, 674, 553	614, 035, 212
43, 369	198, 501, 555	6, 846, 364	297, 538, 146	326, 987, 393	637, 673, 848
42,083	195, 606, 445	6, 860, 260	303, 943, 943	329, 763, 583	639, 739, 426
42, 137	181, 504, 841	4,896,601	156, 693, 068		417, 262, 016
40, 542	184, 506, 457	4,734,977	191,077,771	263, 201, 142	460, 472, 810
29,092	144, 860, 679	3,775,241	137, 733, 895	187, 696, 405	329, 749, 112
27,083	131, 574, 511	3, 303, 890	117, 881, 497	181, 139, 288	303, 818, 741
28,386	141, 930, 122	3,016,295	157, 845, 455	192,084,988	348, 245, 173
					010,710,110
32, 547	141, 192, 811	5, 786, 073	654, 159, 332	••	941, 232, 634
25, 711	127,077,982	5, 195, 945	563, 471, 038	250, 327, 266	836, 422, 484
27,852	144, 329, 344	5,841,020	585,020,647	342, 446, 919	909, 749, 885
27,081	149, 456, 880	6,028,237	618, 556, 572	337, 118, 562	969, 758, 917
21,673	120, 938, 513	5, 084, 684	603, 349, 583	277, 150, 529	870, 942, 359
3,575	13, 231, 319	446,367	27,016,266		53,013,051
3, 538	13, 975, 048	452, 231	29, 536, 883	23, 173, 658	52, 292, 511
3,836	14, 949, 098	515,044	31, 286, 994	26, 570, 344	57, 353, 199
3,606	14, 370, 145	551,679	26, 737, 608	22, 861, 104	51, 452, 863
3,369	13, 291, 847	518, 815	25, 839, 904	21,835,815	48,090,709
17,651	72, 646, 307	4,316,696	145, 562, 427	••	279, 434, 220
15,446	67, 124, 608	4,042,817	133, 968, 594	119, 200, 857	259, 558, 809
15,754	73, 115, 864	4,069,905	147, 111, 881	131, 943, 367	276, 454, 892
15, 531	74, 227, 277	4, 279, 357	148, 711, 886	132, 594, 480	288,080,326
20,820	103,001,867	5, 385, 949	185, 994, 866	160, 762, 326	352, 778, 908

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957 - 61^{\circ}$ — Continued

		1957 -	611 - 0	Continued	l				
	S.I.C. Code	Industrial group and industry	Estab-		dministrat		I	Production	workers
No.			ments	Male	Female	Salaries	Male	Female	Wages
				number		\$	nu	mber	\$
		15. Transportation equipment industries — Concluded:							
1	326	Railroad rolling stock industry ² 1957	31	2,623	349	14, 937, 843	25, 107	34	89, 967, 297
2		1958	29	2,507	299	15, 088, 608	19,685	34	73, 401, 615
3		1959	30	2, 433	260	15, 534, 157	17,716	37	69,085,099
4		1960	30	2,380	266	16,037,323	15, 788	33	62, 017, 181
5		1961	29	2,052	228	13, 961, 227	14,221	28	58,744,702
6	327	Shipbuilding and repair ² 1957	70	2,305	603	12, 474, 936	15,621	48	59,370,115
7		1958	69	1,931	530	11,479,292	13,794	43	55, 216, 157
8		1959	67	1,853	503	11,678,603	12,037	35	51, 130, 848
9		1960	66	2,136	510	13, 443, 435	12,433	34	51, 296, 176
10		1961	63	2,248	499	13, 532, 522	12,073	28	50, 245, 202
11	328	Boatbuilding and repair 1957	201	310	58	1, 156, 799	1,275	12	3, 859, 455
12		1958	206	300	65	1, 131, 038	1,235	12	3, 722, 585
13		1959	219	359	62	1,359,256	1,275	11	4,037,807
14		1960	240	403	58	1,445,011	1, 199	. 14	3,779,071
15		1961	232	385	63	1,382,741	1,025	10	3, 254, 135
16	329	Miscellaneous vehicle manufacturers 1957	17	81	28	575,811	318	142	1,335,729
17		1958	12	67	30	538, 721	341	99	1,302,858
18		1959	11	71	66	784,374	369	85	1,400,830
19		1960	14	102	34	663,638	394	75	1,421,773
20		1961	12	70	33	629, 109	420	78	1,558,360
21		Totals transportation and and and							
22		Totals, transportation equipment 1957 industries.	610	26, 775	7,278	169, 880, 798	107, 141	3, 630	422, 372, 465
23		1958	611	25, 640	6, 706	172, 809, 477	90, 748	3, 115	381, 755, 492
24		1960	630	21, 736	5, 693	158, 686, 513	83, 155	3, 122	373, 579, 446
25		1962	677 671	21, 629	5, 485	156, 978, 091	79, 157	2, 889	362, 754, 330
		100%	011	20,043	5, 332	154, 476, 284	78, 745	2, 987	367, 994, 063
		16. Electrical products industries:							
26	331	Manufacturers of small electrical appli- 1957	65	573	378	4 499 436	1 070	1 000	0.040.101
27		ances.	57	561	357	4,488,439	1, 878	1,086	9, 348, 434
28		1959	65	673	406	5, 247, 779	2, 185	1, 141	9, 734, 466
29			64	585	359	4,931,377	1,784		11, 579, 934
30		1961	58	595	383	5, 120, 616	1,678	1,038	10,025,810 9,776,819
31	332	Manufacturers of major appliances (elec- 1957	39	2,590	000	15 425 101	0.000		
32		tric and non-electric).	41	2,423	990	15, 435, 181	9,086	636	34, 446, 853
33		1959	40	2,401	845	15, 193, 513 15, 596, 769	8, 372	543	31, 874, 437
34		1960	42	2,363	817	16, 239, 372	8,402 7,459	612	34, 358, 149
35		1961	43	2, 274	773	15, 279, 076	7, 459	475	31,363,381
	C 6	_	20	m; m; z)	110 1	10,215,010	1,080	457	31, 582, 799

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957 - 61^{\circ} - \text{Continued}$

			- Continued			
Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	
number			dollars			No.
28, 113	104, 905, 140	4, 710, 505	243, 318, 852		391, 504, 487	1
22, 525	88, 490, 223	4, 291, 884	189, 673, 960	106, 482, 991	300, 261, 517	
20, 446	84, 619, 256	3, 889, 810	165, 142, 846	101, 879, 027	271, 201, 068	
18, 467	78, 054, 504	4, 266, 886	126, 031, 031	84, 380, 453	216, 421, 674	1
16, 529	72, 705, 929	4, 058, 970	99, 149, 009	78, 737, 715	182, 569, 012	
18, 577	71, 845, 051	2, 143, 830	64, 415, 271	į	****	
16, 298	66, 695, 449	2, 079, 255	51, 142, 548	06 227 200	168, 041, 496	
14, 428	62, 809, 451	2, 063, 070	50, 865, 994	96, 227, 209	149, 456, 129	7
15, 113	64, 739, 611	2, 048, 368	49, 948, 260	91, 163, 280	144, 050, 986	
14, 848	63, 777, 724	1, 793, 768	48, 136, 186	96, 336, 730	148, 274, 264	9
		-, 101, 100	10, 100, 100	86, 668, 409	136, 629, 459	10
1,655	5, 016, 254	184, 273	5, 284, 738	• •	11, 845, 384	11
1,612	4, 853, 623	189, 797	4, 891, 066	6, 374, 421	11, 305, 104	12
1,707	5, 397, 063	229, 883	5, 801, 785	8, 158, 722	14, 077, 246	13
1,674	5, 224, 082	217, 165	6, 245, 277	6, 975, 192	13, 233, 115	14
1, 483	4, 636, 876	186, 765	5, 643, 727	6, 569, 834	12, 626, 110	15
569	1, 911, 540	75, 696	2, 778, 971	••	6, 743, 027	16
537	1, 841, 579	73, 338	3, 362, 822	3, 394, 060	6, 660, 530	17
591	2, 185, 204	74, 183	4, 215, 569	4, 631, 787	8, 796, 725	18
605	2, 085, 411	72, 864	3, 945, 923	4, 949, 370	8, 718, 133	19
601	2, 187, 469	78, 429	4, 221, 428	4, 860, 083	8, 895, 424	20
144, 824	592, 253, 263	22, 560, 041	1, 299, 228, 925		2, 269, 076, 315	21
126, 209	554, 564, 969	21, 060, 244	1, 167, 124, 682	868, 381, 604	2, 076, 429, 894	22
113, 706	532, 265, 959	20, 458, 156	1, 127, 179, 611	894, 489, 851	2, 011, 433, 113	23
109, 160	519, 732, 421	20, 768, 446	1, 098, 058, 054	866, 355, 179	1, 999, 758, 033	24
107, 709	522, 470, 347	20, 123, 675	1, 130, 170, 158	828, 669, 699	1, 960, 777, 154	25
			1			
3, 915	13, 836, 873	464, 904	29, 185, 618		58, 507, 847	26
3, 843	14, 342, 305	493, 458	27, 942, 195	32, 108, 824	60, 675, 816	27
4, 480	16, 827, 713	588, 659	34, 837, 382	34, 047, 109	68, 555, 760	
3,766	14, 957, 187	547, 936	28, 984, 675	31, 103, 414		29
3,727	14, 897, 435	543, 435	31, 201, 286	33, 275, 218		30
13, 302	49, 882, 034	2, 750, 374	101, 622, 157	• •	189, 434, 925	31
12, 252	47, 067, 950	2, 746, 606	106, 226, 551	84, 200, 990		32
12, 260	49, 954, 918	2, 694, 190	115, 878, 611	95, 735, 656		33
11, 114	47, 602, 753	2, 986, 711	107, 894, 807	87, 113, 915		34
11, 084	46, 861, 875	2, 689, 795	109, 910, 325	92, 496, 459	206, 212, 477	

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957 - 611 - Continued

No.	S.I.C. Code	Industrial group and industry	Estab- lish- ments		dministrati	ive and oyees	Pi	roduction v	vorkers
No. 1 2 3			lish-						
1 3	334			Male	Female	Salaries	Male	Female	Wages
2 3	334			number	1	\$	num	lber	\$
2 3	334	16. Electrical products industries - Concluded:						1	
3		Manufacturers of household radio and televi- 195	7 24	1,959	697	12,659,947	2, 412	1,767	12, 211, 708
		sion receivers.	8 22		717	13, 125, 754	2, 296	1,687	12, 400, 912
4		198	9 20	1,987	740	14, 103, 618	2, 284	1,687	12, 711, 838
		196	0 23	2,054	716	14, 323, 336	2, 151	1,337	11,622,533
5		196	1 23	2,031	645	14, 827, 253	2, 154	1,434	12, 321, 007
6	335	Communications equipment manufacturers 195	7 128	5,956	2,089	38, 766, 246	8,239	6,438	49, 115, 206
7		195	8 123	6,039	1,971	41, 155, 375	7,321	6, 350	47,969,050
8		195	9 126	5,909	1,937	42, 809, 433	7,605	6,818	52,916,440
9		196	0 129	6, 133	2,022	45, 694, 024	8,064	6, 745	56, 515, 078
10		196	1 125	7,060	2,020	52, 138, 254	8, 175	7, 312	57, 520, 298
11 :	336	Manufacturers of electrical industrial equip- 195 ment.	7 77	6,804	2,338	44, 002, 510	13, 106	2, 368	61,088,563
12		195	8 84	6,632	2,013	47, 822, 447	10, 201	1,690	52,080,792
13		195	9 88	5,403	1,560	38, 775, 969	9, 186	1,669	44, 833, 953
14		196			1,582	40, 032, 102	8,659	1,528	44, 116, 129
15		196	1 97	4, 982	1,481	37, 159, 889	8,324	1,617	43,785,549
10	002	Detterm manufacturers	-						
16 :	337	Battery manufacturers			224	3, 240, 804	1,189	350	5, 332, 899
18		195			201	3, 206, 889	1,063	343	4, 924, 701
19		196			183	3, 328, 947	1,096	375 367	5, 398, 094 5, 202, 562
20	:	196			166	3, 661, 971	989	388	5, 389, 865
		-		1	100	0,001,511	003	300	0,000,000
21	338	Manufacturers of electric wire and cable 195	7 24	1,817	539	11, 158, 807	4,771	349	20, 268, 496
22		195	8 28	1,690	480	11, 209, 826	4,366	286	19, 025, 417
23		195	9 28	1,700	488	11,894,549	4,540	298	20, 835, 737
24		196	0 28	1,706	480	12, 235, 638	4, 283	246	19,636,074
25		196	1 25	1,542	403	10, 578, 548	4,190	213	19, 888, 437
26	339	Manufacturers of miscellaneous electrical 195 products,	7 115	1,420	678	9, 896, 269	3, 826	2, 975	20, 068, 128
27		195	8 118	1,343	670	9, 704, 400	3,643	2,760	19, 185, 305
28		195	9 117	1,516	688	11, 197, 425	3,795	3,043	21,650,752
29		196		1,484	657	11, 595, 165	3,839	2, 916	22, 176, 561
30		196	1 133	1,537	653	11,801,158	3,893	3,035	22, 736, 540
21		Totals electrical							
31		Totals, electrical products industries 195			7, 933	139, 648, 203	44, 507	15, 969	211, 880, 287
32		198	8 501	21, 121	7, 323	146, 026, 043	39, 046	14, 800	197, 195, 080
33		198	9 510	20, 052	6, 866	142, 954, 489	39, 093	15, 718	204, 284, 897
34		196	0 836	20, 116	6, 816	148, 513, 798	37, 243	14, 652	200, 658, 128
35		196	1 531	20, 497	6, 524	150, 566, 765	36, 983	15, 527	203, 001, 314

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^1$ — Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by	Selling value of factory	
			useu	manufacture	shipments	No.
number			dollars			1.0.
		[
6,835	24, 871, 655	453, 322	70, 540, 926			
6, 641	25, 526, 666	414, 136	78, 223, 732	47 040 601	122, 694, 010	
6,698	26, 815, 456	477, 483	76, 110, 547	47, 040, 691 48, 508, 925	118, 969, 056	
6, 258	25, 945, 869	445, 427	72, 573, 972	41,079,350	123, 964, 706	
6, 264	27, 148, 260	483,851	71, 894, 285	44, 322, 797	113, 923, 719 118, 553, 445	5
				,,	110,000,440	9
22, 722	87, 881, 452	1, 256, 452	67, 924, 757		194, 677, 470	6
21, 681	89, 124, 425	1, 200, 790	66, 620, 841	128, 572, 691	200, 843, 295	7
22, 269	95, 725, 873	1, 328, 251	69,867,555	141,673,667	208, 354, 947	8
22, 964	102, 209, 102	1, 504, 899	81, 275, 410	154, 833, 995	232, 932, 104	9
24, 567	109, 658, 552	1,491,951	93,749,901	163, 288, 472	251, 084, 190	10
24, 616	105,091,073	2, 624, 122	115,008,061		307, 679, 272	11
20, 536	99, 903, 239	2, 217, 657	99, 113, 765	130, 370, 261	233, 889, 790	12
17, 818	83, 609, 922	2, 681, 524	93, 045, 580	139, 394, 625	227, 153, 250	13
17, 079	84, 148, 231	2,601,859	84, 892, 375	140, 131, 164	230, 187, 764	14
16, 404	80, 945, 438	2, 365, 089	86, 811, 512	129, 314, 600	218, 881, 168	15
2 107	0.500.000					
2, 197 2, 099	8,573,703	563, 113	22, 889, 149	• «	38, 374, 854	16
2, 136	8, 131, 590 8, 727, 041	509, 416	20, 638, 789	14, 293, 718	36, 596, 518	17
2, 035	8, 665, 346	554, 869	21, 883, 648	18, 104, 245	39, 491, 336	18
2, 019	9,051,836	492, 577 499, 380	19, 989, 230	16, 681, 478	36, 963, 243	19
	3,002,000	433, 300	20, 385, 132	19, 147, 198	40, 048, 638	20
7, 476	31, 427, 303	1, 527, 828	94,600,159		156, 203, 292	01
6, 822	30, 235, 243	1, 483, 398	85, 762, 870	49, 964, 173	137, 573, 861	21
7,026	32,730,286	1,744,378	99, 310, 359	60,745,700	157, 224, 930	23
6, 715	31, 871, 712	1, 699, 638	95, 020, 954	58, 378, 965	156, 773, 027	24
6, 348	30, 466, 985	1,833,532	103, 353, 297	62, 185, 216	162, 601, 505	25
8,899	29, 964, 397	1,381,962	54,076,984		113, 282, 569	26
8, 416	28, 889, 705	1,428,091	50,749,256	57, 805, 886	110, 686, 412	27
9,042	32, 848, 177	1, 455, 797	58, 017, 369	70, 668, 196	127, 285, 850	28
8, 896	33, 771, 726	1, 416, 205	61, 470, 764	70, 283, 374	132, 223, 143	29
9, 118	34, 537, 698	1,429,356	68,045,816	73, 504, 081	143, 288, 855	30
89, 962	351, 528, 490	11, 022, 077	555, 847, 811		1, 180, 854, 239	31
82, 290	343, 221, 123	10, 493, 552	535, 277, 999	544, 357, 234	1, 094, 890, 755	32
81, 729	347, 239, 386	11, 525, 151	568, 951, 051	608, 878, 123	1, 161, 677, 067	33
78, 827	349, 171, 926	11, 695, 252	552, 102, 187	599, 605, 655		
79, 531						34
10,001	353, 568, 079	11, 336, 389	585, 351, 554	617, 534, 041	1, 205, 534, 321	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^1$ — Continued

	S.I.C.	Industrial group and industry		stab-	Ac	iministrati ffice emplo	ve and oyees	P	roduction	workers
No.	Code		me	ents	Male	Female	Salaries	Male	Female	Wages
1101				1	number		\$	num	ber	\$
		17. Non-metallic mineral products industries:							1	
1	341	Cement manufacturers	57	17	382	80	2, 626, 765	3,049	5	13,042,470
2		19	58	19	463	101	3,340,160	2,917	4	13,019,600
3		19	59	19	533	97	3,860,087	2,883	3	13, 314, 169
4		19	60	20	544	97	4,007,838	2,754	3	13, 114, 904
5		19	61	20	473	83	3,774,587	2,555	2	12,922,598
6	343	Lime manufacturers	57	22	109	13	454,719	838	1	2, 779, 489
7		19	58	22	102	18	478,071	836	1	2,997,392
8		19	59	23	106	17	509,766	892	1	3, 291, 520
9		19	60	23	101	15	519,824	758	1	3,080,476
10		19	61	21	89	16	504, 256	720	-	3,065,293
11	345	Gypsum products manufacturers 19	57	12	338	120	2,053,221	1, 143	1	4, 211, 353
12		19	58	13	351	122	2, 278, 411	1,224	1	4,925,426
13		19	59	13	359	111	2, 364, 375	1,249		5, 245, 859
14		19	60	14	369	105	2,360,123	1, 127	_	4, 533, 179
15		19	61	14	346	95	2, 284, 866	1, 157	2	4,901,422
16	347	Concrete products manufacturers	57	547	1,365	208	6, 548, 988	5,064	32	15, 569, 042
17		19	58	581	1, 573	304	8,389,227	6, 146	67	20, 428, 212
18		19	59	576	1,582	305	8,759,844	6,575	47	23, 138, 820
19		19	60	634	1,760	340	9,435,680	6, 499	46	22,585,061
20		19	61	616	1,624	313	8, 894, 480	6,368	34	22, 565, 474
21	348	Ready-mix concrete manufacturers 19	57	96	537	130	2, 949, 547	3, 163	5	12, 490, 297
22		19	58	98	574	126	3, 172, 668	3, 135	16	13, 335, 601
23		19	59	100	595	142	3,818,963	3,426	9	14, 874, 644
24		19	60	135	739	183	4,479,996	3,283	21	14, 274, 006
25		19	61	157	702	181	4,655,172	3, 177	11	14,679,147
		Clay products manufacturers:								
26	3511	Clay products manufacturers (from domestic 19 clays),	57	107	461	103	2,536,960	3,562	62	12,015,150
27		19	58	109	457	103	2, 714, 542	3,590	60	12,866,157
28		19		111	523	114	3, 210, 420	3,673	68	13, 552, 982
29		190		111	535	104	3, 213, 106	3, 266	74	11,958,899
30		190	51	98	336	70	2, 125, 118	3,059	82	11,412,846
31	3512	Clay products manufacturers (from imported 19 clays).		24	249	86	1,608,996	1, 187	424	5, 465, 592
		19		25	248	88	1,743,465	1, 189	442	5, 753, 218
33		19		25	221	83	1,650,076	1,046	347	5,068,454
35		190	80	26	223	83	1,650,018	938	335	4,648,314

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-611 — Continued

Total employees	Total salaries and wages		Cost of fuel and lectricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	
number		L		dollars			N
			1	donars	1		
3,516	15, 669, 235		19,692,658	10 100 040			
3, 485	16, 359, 760		19,009,008	16, 193, 942		95, 495, 962	
3, 516	17, 174, 256		17,309,329	14, 758, 308	66, 413, 934	98, 278, 487	1
3,398	17, 122, 742		15, 965, 171	13, 269, 944 11, 294, 254	66, 066, 386	97, 231, 802	i
3, 113	16, 697, 185		16, 262, 241	14, 358, 880	68, 250, 906	95, 316, 193	
			10, 202, 211	11, 550, 560	76, 422, 986	107, 246, 086	
961	3, 234, 208		2, 383, 094	936, 269		11 000 041	
957	3, 475, 463		2,789,727	1,027,687	9, 289, 445	11,088,941	
1,016	3,801,286		2,763,691	1, 149, 217	9, 393, 359	13, 070, 148 13, 280, 561	
875	3,600,300		2,308,640	882, 397	8, 277, 412	11, 453, 640	
825	3,569,549		2, 238, 931	1,784,960	8,954,831	12, 989, 077	10
						22,000,011	1
1,602	6, 264, 574		1,558,534	11, 824, 221		29, 684, 810	1:
1,698	7, 203, 837		1,776,987	15, 063, 288	19, 294, 748	35,910,976	1:
1,719	7,610,234		1,595,694	15, 321, 383	18, 963, 422	35, 615, 198	13
1,601	6,893,302		1,546,019	13, 293, 067	15,808,974	30, 475, 981	14
1,600	7, 186, 288		1,589,161	14, 318, 154	18,712,604	34, 343, 004	1:
6,669	22, 118, 030		2,855,097	30, 277, 409		76, 504, 964	16
8,090	28, 817, 439		3, 573, 754	45, 222, 850	48, 589, 399	95, 784, 149	17
8,509	31, 898, 664		3,643,747	43, 341, 368	65, 101, 448	109, 274, 269	18
8, 645	32,020,741		3,859,489	42, 330, 607	59, 200, 529	105, 339, 479	19
8,339	31, 459, 954		3,614,159	44, 445, 312	65, 266, 932	111, 871, 135	20
3,835	15, 439, 844		2,554,190	48,894,071		86,059,740	21
3,851	16, 508, 269		2,595,731	51, 882, 657	41, 297, 413	89,616,415	22
4,172	18, 693, 607		3, 390, 421	56, 177, 185	37, 909, 828	97, 451, 778	23
4, 226	18,754,002		3, 148, 560	58, 290, 846	39, 556, 925	101, 096, 179	24
4,071	19, 334, 319		3,436,765	66, 200, 775	35, 779, 286	105, 340, 562	25
4, 188	14, 552, 110		5,979,030	955, 098		35,068,712	26
4,210	15, 580, 699		6,419,616	1,062,174	33, 783, 540	40,784,403	27
4,378	16,763,402		6, 337, 149	1,364,885	34, 141, 616	41,095,048	28
3,979	15, 172, 005		5,652,962	1, 284, 138	31, 076, 802	37, 146, 963	29
3,547	13, 537, 964		5,610,938	4,733,718	24, 182, 091	35, 169, 009	30
1,946	7,074,588		875,047	5, 637, 760		17, 923, 798	31
1,967	7, 496, 683		802,667	5, 845, 925	12, 703, 405		32
1, 697	6,718,530		810, 166	4, 501, 930	12, 551, 443		33
1,579	6, 298, 332		759, 307	5, 417, 735	11, 605, 833		34
1,628	6, 778, 260		831, 343	5, 662, 132	12, 925, 011	19, 362, 713	

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^1-{
m Continued}$

	s.i.c.	Industrial group and industry		Estab-		dministrati office empl		Pı	roduction w	orkers .
No.	Code			ments	Male	Female	Salaries	Male	Female	Wages
140.					number	1	\$	nu	mber	\$
		17. Non-metallic mineral products industries — Continued:				1				
1	352	Refractories manufacturers	1957	14	78	12	446, 614	424	-	1, 538, 800
2			1958	14	80	14	506, 142	364	-	1, 300, 764
3			1959	16	124	26	746, 999	467	-	1, 777, 143
4			1960	16	120	25	768, 752	488	-	1, 947, 274
5			1961	16	163	35	1, 047, 506	472	-	1,961,035
6	353	Stone products manufacturers	1957	140	247	46	1, 138, 087	888	12	2, 681, 986
7			1958	124	243	45	1, 155, 064	823	19	2, 829, 075
8			1959	125	250	41	1, 218, 176	864	10	2, 821, 744
9			1960	141	254	45	1,310,548	932	16	3, 037, 464
10			1961	134	273	47	1, 403, 706	762	13	2,525,390
11	354	Mineral wool manufacturers	1957	11	206	75	1, 486, 495	690	1	2,750,323
12			1958	11	235	76	1, 556, 784	687	. –	2, 732, 738
13			1959	10	271	76	1, 756, 476	725		3, 069, 426
14			1960	11	266	85	1,822,831	657	. 1	2, 855, 718
15			1961	9	260	82	1, 995, 123	629	-	2,881,935
16	355	Asbestos products manufacturers	1957	11	423	155	2, 440, 764	1,533	180	6, 261, 661
17			1958	10	361	124	2, 375, 332	1, 386	154	5, 806, 352
18			1959	10	320	121	2, 295, 263	1,547	150	7, 180, 806
19			1960	11	370	139	2,670,890	1,541	131	7, 094, 593
20			1961	15	326	151	2, 758, 310	1,518	106	7, 377, 465
		Glass and glass products manufacturers:								
21	3561	Glass manufacturers	1957	9	551	294	3, 333, 680	3, 792	786	15, 695, 793
22			1958	10	599	271	3, 705, 554	3,842	772	17, 301, 546
23			1959	10	701	294	4, 384, 107	4,347	997	20, 444, 078
24			1960	12	767	306	4, 952, 217	4, 521	977	21, 606, 338
25			1961	12	769	285	5, 289, 609	4,505	1, 155	22, 925, 924
26	3562	Glass products manufacturers	1957	98	330	212	2, 474, 507	1,648	263	6, 594, 730
27			1958	86	355	185	2, 620, 237	1,522	263	6,510,930
28			1959	84	343	196	2, 711, 950	1, 605	305	7, 307, 430
29			1960	89	393	215	3, 131, 781	1,500	274	6, 852, 126
30		·	1961	97	450	230	3, 647, 653	1, 663	317	7, 677, 577
31	357	Abrasives manufacturers	1957	18	467	185	3,741,090	2, 115	90	8, 949, 727
32			1958	20	448	146	3, 603, 369	1,641	88	7, 135, 174
33			1959	20	461	189	3, 498, 506	1, 789	94	8, 401, 123
34			1960	20	412	167	3, 510, 003	1, 838	102	9, 003, 596
35			1961	20	432	147	3, 480, 645	1, 643	93	8, 318, 672

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^\circ-\text{Continued}$

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	
number			dollars			N
		1	-1			
514	1, 985, 414	611, 648	6, 751, 748		14 488 444	-
458	1, 806, 906	514, 880		6 700 000	14, 477, 144	i
617	2, 524, 142	586, 683	5, 565, 040 7, 705, 443	6, 399, 026	12, 364, 371	
633	2, 716, 026	559, 218	8, 569, 617	9, 013, 908 9, 393, 193	17, 132, 925	
670	3, 008, 541	612,077	8, 752, 337	8, 785, 440	18, 555, 636 17, 884, 741	
		0.12,0.1	0,102,001	0, 100, 410	11,007,121	
1, 193	3, 820, 073	259,893	4, 202, 764	• •	10, 182, 031	
1, 130	3, 984, 139	292,718	4, 210, 320	6, 405, 644	10, 945, 005	
1, 165	4, 039, 920	277, 024	4,077,739	6, 543, 973	10, 797, 454	1
1, 247	4, 348, 012	304, 750	4,674,665	7,016,471	11, 928, 328	1
1,095	3, 929, 096	300,587	4,404,317	6, 924, 410	11, 557, 346	10
972	4, 236, 818	733, 320	6, 029, 403		16, 382, 918	1
998	4, 289, 522	1,099,417	6, 323, 439	10, 467, 877	17, 720, 213	12
1,072	4, 825, 902	1,001,208	6, 963, 676	11, 220, 669	19, 318, 521	13
1,009	4, 678, 549	1, 144, 694	5,528,151	9, 207, 888	15, 385, 454	14
971	4,877,058	888,452	5, 782, 258	9, 459, 267	16, 117, 789	18
2, 291	8, 702, 425	784,773	13, 414, 183	[29, 947, 926	16
2,025	8, 181, 684	835, 595	12, 440, 470	15, 530, 437	28, 385, 961	17
2, 138	9, 476, 069	863,488	14,052,844	17, 821, 055	31, 869, 524	18
2, 181	9, 765, 483	856,500	13, 984, 083	18, 447, 848	33, 136, 686	19
2, 101	10, 135, 775	920,775	13, 850, 375	20, 853, 977	35, 735, 016	20
5, 423	19, 029, 473	4, 333, 029	17, 544, 375	••	53, 328, 698	21
5,484	21, 007, 100	3, 989, 507	18, 021, 639	34,054,975	56, 049, 756	22
6, 339	24, 828, 185	4, 256, 588	20, 962, 410	38, 408, 304	61, 999, 557	23
6,571	26, 558, 555	4, 149, 961	21,687,153	37, 731, 382	62, 553, 640	24
6, 714	28, 215, 533	4, 131, 273	21,098,981	44, 338, 779	68, 110, 652	25
2, 453	9, 069, 237	622, 351	17, 087, 427	• •	36, 901, 363	2€
2, 325	9, 131, 167	629, 312	17, 842, 305	18, 928, 942	37, 336, 549	27
2,449	10, 019, 380	677, 279	21, 908, 938	23, 058, 315	45, 442, 498	28
2, 382	9, 983, 907	700, 994	18, 316, 987	22, 750, 387	41, 478, 909	29
2,660	11,325,230	809, 505	22, 401, 885	22, 082, 121	45,043,541	30
2, 857	12, 690, 817	5, 422, 369	20, 413, 646	• •	51, 171, 441	31
2, 323	10, 738, 543	4, 356, 069	14, 622, 161	18, 620, 550	37, 330, 388	32
2, 533	11, 899, 629	5, 023, 151	17, 883, 173	21, 310, 575	44, 376, 697	33
2, 519	12, 513, 599	5, 784, 240	19, 329, 265	23, 944, 964	48, 568, 969	
2, 315	11, 799, 317	4, 880, 685	16, 642, 693	21, 479, 927	42, 942, 366	

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^{\circ}-$ Continued

	S.I.C. Code	Industrial group and industry	Estab- lish- ments		Administr office en	ative and		Product	ion workers
No.				Male	Female	Salaries	Mal	e Fem	ale Wag
1				number		\$	-	number	\$
		17. Non-metallic mineral products industries— Concluded:				1			
1	359	Other non-metallic mineral products indus- 1957	OH						
2	,	tries.	27	136	39	878, 38	1 20	62	22 944
3		1959	30 34	136	37	882, 02		74	18 1,003
4		1960	33	175 136	44	1,135,68		32	15 1, 233
5		1961	35	131	42	977, 44	- 1		20 1,022
				101	48	1,043,82	7 28	37	13 1,189
6		Totals, non-metallic mineral products in- 1957 dustries.	1, 153	5, 879	1,758	34, 718, 81	29, 35	9 1 04	110 000
7		1958	1, 172	6, 225	1, 760	38, 521, 05			
8		1959	1, 176	6, 564	1, 856	41, 920, 690			
9		1960	1, 296	6, 989	1, 951	44, 811, 053			
10		1961	1, 292	6, 607	1, 870	44, 615, 733			
								, , , ,	1 129, 471
	1	8. Petroleum and coal products industries:							
		Petroleum refineries:							
1 3	651	Petroleum refining 1957	41	4,374	1 000			. ,.	
.2		1958	42	4, 617	1,385	32,303,635	7,956		39,097,
3		1959	41	4,742	1,450	34,941,053	7,689		.,,
4		1960	44	4, 742	1,406	39, 057, 313 39, 823, 359	7, 199	-	
5			44	4,629	1,336	40, 496, 789	7,303	54	, , , , ,
					2,000	20, 230, 169	7, 218	52	41,019,
	652	Manufacturers of lubricating oils and 1957	12	47	23	325, 581	202		
7		1958	13	55	27	386, 406	202	1	904,8
3		1959	11	- 51	27	377, 086	181	5	761,3
		1960	12	62	25	431, 830	187	_	819, 5
		1961	13	63	27	484, 812	186		839, 1
36	0								
36	9	Other petroleum and coal products industries 1957	29	303	93	1,648,533	678	3	2,519,9
		1958	37	192	60	1,191,339	528	_	2,049,2
		1959	32	108	46	806, 158	415	-	1,717,5
		. 1960	35	135	50	929, 831	351	_	1,447,0
		1961	34	139	36	934, 242	367	_	1,565,6
		Totals, petroleum and coal products in- 1957							
		adouzes,			1,501	34, 277, 749	8, 836	70	42, 521, 8
		1958			1,537 3	6, 518, 798	8,400	59	41, 301, 20
		1959		, 901	1, 497 4	0, 240, 557	7, 795	59	41, 303, 67
		1960	91 4	, 939	1, 481 4	1, 185, 020	7, 841	54	43, 060, 77
	1	1961	91 . 4	,831	1, 399 4	1, 915, 843	7, 771	52	43, 424, 02

Total Total Cost of	Cost at plant	Value		
employees salaries fuel and and wages electricity	of materials used	added by manufacture	Selling value of factory shipments	
number				No.
number	dollars		1	
459 1,822,632 331,469	3,352,969		6,946,697	1
1,885,563 321,815	4,096,915	3,552,423	8,028,929	2
566 2,369,491 385,840	6,579,139	5,901,505	12,723,430	3
1,999,620 351,365	4,566,797	4,374,272	9,058,697	4
479 2,233,117 374,047	5,679,631	5, 226, 303	11, 299, 779	5
38, 879 145, 709, 478 48, 996, 502	203, 515, 285		571, 165, 145	6
39, 466 156, 466, 774 49, 006, 803	217, 985, 178	345, 331, 758	600, 614, 113	7
41, 886 172, 642, 697 48, 921, 458	235, 259, 274	377, 405, 806	655, 618, 841	8
41, 308 172, 425, 175 47, 091, 870	229, 449, 762	366, 643, 786	639, 089, 796	9
40, 128 174, 087, 186 46, 500, 939	250, 116, 408	381, 393, 965	675, 012, 816	10
		1		
13,781 71,400,636 6,885,603	811, 963, 113	**	1,007,018,395	11
13,814 73,431,750 7,448,329	809, 834, 193	184, 547, 883	1,000,386,222	12
13,419 77,823,888 8,799,544	845, 190, 269	229,645,840	1,081,594,811	13
13,505 80,597,422 9,043,360	846, 909, 104	268, 446, 739	1,117,454,670	14
13,235 81,516,036 10,820,117	899, 836, 714	276, 271, 921	1, 184, 176, 374	15
273 1, 230, 448 149, 511	9, 985, 904		15, 808, 438	16
266 1,147,734 124,291	10, 141, 478	7, 564, 163	16,610,641	17
264 1,196,591 135,080	10,786,482	5,351,425	16,367,777	18
274 1, 271, 463 135, 849	10,942,502	5,836,558		19
276 1,323,965 147,900	11,807,241	5, 519, 514		20
1,077 4,168,496 1,410,318	10 201 210		40.440.440	
780 3,240,583 1,099,740	10, 291, 318	0 504 000		21
569 2,523,756 1,015,091	12,306,176 8,788,743	8,584,077	21, 924, 831	
536 2,376,912 376,643	8, 166, 513	6, 804, 031		23
542 2,499,863 383,185	8, 986, 383	7, 971, 564 8, 907, 065	16,560,517 18,565,362	
15, 131 76, 799, 580 8, 445, 432	832, 240, 335		1 042 070 000	9.0
14,860 77,820,067 8,672,360	832, 281, 847	200, 696, 123		26
14, 252 81, 544, 235 9, 949, 715	864, 765, 494	241, 801, 296		28
14, 315 84, 245, 797 9, 555, 852	866, 018, 119	282, 254, 861	1, 150, 421, 636	29
14, 053 85, 339, 864 11, 351, 202	920, 630, 338	290, 698, 500	1, 220, 193, 764	30

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957 - 61^{\circ} - \text{Continued}$

		1957 -	611 - C	ontinued					
	S.I.C.	Industrial group and industry	Estab-	Ad	lministrativ	ve and yees	Pr	oduction w	orkers
No.	Code		ments	Male	Female	Salaries	Male	Female	Wages
-				number		\$	num	ber	\$
	1	19. Chemical and chemical products industries:		de la companya de la					
1	371	Explosives and ammunition manufacturers 195	7 13	1,469	578	9,957,615	3,485	936	14,512,298
2		195	8 13	1,558	566	10, 555, 998	3, 161	888	14,280,380
3		195	9 14	1,494	538	10, 530, 235	2,926	781	13,763,624
4		196	0 12	1,428	511	10,747,525	2,684	626	13,045,737
5		196	1 14	1,332	415	10,534,113	2, 295	618	11,759,036
6	372	Manufacturers of mixed fertilizers 195	7 39	275	105	1,772,062	690	5	2,323,430
7		195		288	121	2, 115, 400	723	3	2,461,355
8		195		299	123	2, 274, 421	773	3	2,806,544
9		. 196		295	112	2,484,020	785	2	3,131,975
10		196		359	135	2,975,153	881	3	3,627,290
11	373	Manufacturers of plastics and synthetic 195 resins.	7 26	876	308	5,833,552	1,477	63	6,495,912
12		195	8 28	858	294	6,177,315	1,503	57	6,782,097
13		195	9 28	815	270	5,963,588	1,514	49	7,209,769
14		196	0 30	1,135	338	8,539,363	1,919	42	9,821,421
15		196	31	1,045	320	8,416,659	1,921	39	10,090,303
16	374	Manufacturers of pharmaceuticals and mede- 195	7 187	1,780	1,607	15,030,951	2,197	2,122	12, 325, 520
17		cines.		1,682	1,561	15, 252, 202	2,218	2,113	13, 286, 329
18		195		1,652	1,592	16,003,479	2,316	2,181	13,720,008
19			181	1,688	1,601	17, 250, 037	2,323	2,150	13,905,560
20		196		1,746	1,613	17, 912, 046	2, 134	2,109	13,832,212
21	375	Paint and varnish manufacturers 195	7 123	1,824	979	12, 226, 266	3,085	318	11,657,494
22		195	127	1,790	964	12,715,744	3,045	331	12, 108, 177
23		195	133	1,820	986	13, 419, 294	3,100	324	12,792,868
24		196	134	1,825	980	14, 320, 075	3,018	283	13, 104, 231
25		196	136	1,734	977	14,009,236	2,809	282	11,839,143
26	376	Manufacturers of soap and cleaning compounds 195	7 130	1,084	506	8,110,561	1,954	381	9, 263, 787
27			127	1,125	527	8,711,390	2,055	414	10,304,430
28				1,166	589	9,543,275	2,083	447	10,771,787
29		196	122	1,238	564	9,795,786	2,003	435	11,032,725
30		196	1 126	1,246	511	10,572,559	1,944	444	11, 286, 469
		_							

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^{1}$ — Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	N
number			dollars			IN
		1				
6,468	24, 469, 913	1,974,346	42,681,000	• •	80,751,497	
6,173	24,836,378	1,894,456	33,850,631	33, 673, 725	68,987,833	
5,739	24, 293, 859	1,725,240	36,775,255	36,913,835	75,873,443	
5,249	23,793,262	1,707,552	27,506,012	39, 476, 600	67,123,576	
4,660	22, 293, 149	1,722,378	25, 586, 162	31,863,783	63, 353, 335	
1,075	4,095,492	316,280	26,894,430	• •	39, 217, 101	
1,135	4,576,755	387, 299	28,077,820	12,654,080	43, 194, 341	Ì
1,198	5,080,965	442,862	30,761,696	13,868,607	44, 478, 379	
1,194	5,615,995	497,055	32,550,234	12,640,799	45,700,272	1
1,378	6,602,443	719, 211	39,647,614	14, 426, 263	54, 261, 404	1
2,724	12, 329, 464	1,708,661	36,791,138		67,828,805	1
2,712	12, 959, 412	1,794,009	40, 128, 059	31, 151, 709	73, 498, 380	1
2,648	13, 173, 357	1,981,306	44,026,641	32, 297, 929	77,671,629	1
3,434	18,360,784	3,399,463	56, 388, 538	47,391,805	106, 198, 742	1
3,325	18,506,962	3,656,465	60, 258, 949	47, 103, 780	110, 345, 093	1
7,706	27,356,471	1,009,576	40, 304, 647		132, 209, 768	1
7,574	28,538,531	1,017,787	41,953,447	104,645,034	146,060,533	1
7,741	29,723,487	1,007,723	46,000,067	109,664,694	154,821,701	1
7,762	31, 155, 597	1,027,889	44,681,168	114,636,688	160,371,452	1
7,602	31,744,258	1.045,936	49,784,714	117, 204, 902	166,015,641	20
6, 206	23,883,760	990, 799	64, 101, 298		129, 384, 037	2:
6,130	24,823,921	953,069	69, 393, 077	73, 358, 831	141,723,889	2
6,230	26, 212, 162	975,071	71,704,360	75, 304, 409	147,583,366	2:
6,106	27, 424, 306	1,017,074	73, 540, 005	72,584,230	147, 137, 928	24
5,802	25, 848, 379	1,050,382	75, 065, 600	76,955,820	152, 357, 549	25
3,925	3,925 17,374,348 1,560,948		70, 254, 983		143 261 404	94
4, 121	19, 015, 820	1,679,803	75, 827, 959	80,848,917	143, 361, 404	20
4, 285	20, 315, 062	1,642,589	75, 364, 917	79, 678, 126	157, 006, 645	2'
4,240	20, 828, 511	1,635,996	72, 750, 210	82, 439, 909	157, 432, 011	28
4, 145	21,859,028	1,676,253	82, 893, 226	86,698,652	158, 587, 598 172, 334, 470	30

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,

1987-611 - Continued

		1957 - 0	311 - C	ontinued					
	S.I.C. Code	Industrial group and industry	Fstab- lish-		dministrat		P	roduction	workers
No.	Code		ments	Male	Female	Salaries	Male	Female	Wages
	1			number		\$	nur	nber	\$
		19. Chemical and chemical products industries— Concluded:			**************************************				
1	377	Manufacturers of toilet preparations 1957	81	388	488	3,595,830	537	1,026	3,593,474
2		1958	78	358	494	3,606,766	508	1,018	3,767,566
3		1959	77	411	519	4,090,846	562	1,090	4,117,702
4		1960	77	406	498	4,498,729	528	1,027	4,093,180
5		1961	73	401	531	4,980,832	626	1,088	4,632,469
6	378	Manufacturers of industrial chemicals 1957	117	4,582	1,305	29, 435, 147	11,041	72	49, 161, 205
7		. 1958	122	4,322	1,260	30, 798, 032	11,384	55	52, 919, 511
8		. 1959	119	4,547	1,243	32, 153, 910	10,866	. 58	52, 927, 192
9		1960	120	4,456	1,196	32, 853, 698	11, 139	57	55, 540, 269
10		1961	128	4,211	1,149	33, 354, 772	10,770	61	56,009,548
		Other chemical industries:							
11	3791	Manufacturers of printing inks 1957	19	184	89	1,505,077	557		2,022,130
12		1958	28	164	112	1,435,441	556	26	2,022,130
13		1959	31	169	127	1,585,903	609	3	2,332,230
14		1960	31	197	122	1,742,274	605	9	2,464,887
15	1	1961	32	221	120	1, 948, 431	626	4	2,673,657
						-, 010, 101	0.00		2,010,001
16	3799	Other chemical industries, n.e.s 1957	314	1,302	841	9, 815, 805	2,466	554	9,497,882
17		1958	307	1,419	860	11, 365, 166	2,554	636	10, 361, 044
18		1959	308	1,472	889	12, 187, 075	2,600	624	10, 932, 704
19		1960	314	1,454	894	11,964,900	2,675	592	11,572,251
20		1961	314	1,378	897	12,020,558	2,600	572	11,529,807
21		Totals, chemical and chemical products 1957	1, 049	13, 764	6, 806	97, 282, 866	27, 489	5, 477	120, 853, 132
22		industries.	1, 045	13, 564	6, 759	102, 733, 454			
23		1959	1, 042	13, 845	6, 876	107, 752, 026	27, 707	5, 541 5, 560	128, 348, 847 131, 374, 428
24		1960	1, 063	14, 122	6, 816	114, 196, 407	27, 679	5, 223	137, 712, 236
25		1961	1,072	13, 673	6, 668	116, 724, 359	26, 606	5, 220	137, 279, 934
					-,	,,	20,000	0, 220	101, 818, 501
		20. Miscellaneous manufacturing industries:							
		Scientific and professional equipment manufacturers:							
26	3811	Instrument and related products manu- 1957	78	1,674	672	11,021,153	2,980	1,026	14,640,045
27		facturers.	84	2,054	805	14,520,379	3,027	1, 129	15, 847, 817
28		1959	80	2, 185	860	16, 077, 471	2,917	1, 163	15,498,328
29		1960	82	2,278	875	16, 664, 205	3,004	1, 142	16, 765, 270
30]	1961	93	2,058	875	16,359,859	3,595	1, 433	21, 264, 156

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957 - 61^1 - \texttt{Continued}$

						Τ
Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	
number			4-11			N
***********			dollars			
2,439	7,189,304	182, 141	17, 482, 537		47, 667, 297	
2,378	7,374,332	190,957	19, 196, 516	32,757,891	51, 410, 446	1
2,582	8, 208, 548	195,031	20, 445, 491	34, 381, 279	54, 134, 447	
2,459	8,591,909	215, 100	21,410,890	39, 403, 259	61,002,384	
2,646	9,613,301	237, 203	22, 949, 180	45,555,113	68, 814, 340	
17,000	78, 596, 352	32, 475, 697	157, 524, 062		366, 294, 703	
17,021	83,717,543	37, 818, 444	173, 238, 115	207, 452, 768	413,653,377	i
16,714	85, 081, 102	40, 332, 373	183,411,127	218, 526, 079	444,786,068	
16,848	88,393,967	43,690,241	179, 907, 620	237, 425, 347	450, 820, 341	
16, 191	89,364,320	42,023,369	182, 032, 101	257,622,238	476, 603, 231	
830	3,527,207	115, 997	6, 182, 513		15, 157, 482	1
858	3,513,399	135,574	6,748,946	8,685,816	15, 557, 149	
908	3, 918, 133	158,963	7,709,955	9,816,585	17,675,697	1
933	4, 207, 161	172, 138	7,607,907	10, 037, 035	17,671,055	1
971	4,622,088	192, 853	8,362,203	10,607,225	19, 074, 459	1
5,163	19,313,687	2, 191, 027	57, 572, 181		112,526,236	1.
5,469	21,726,210	2,404,932	61, 958, 478	58,357,074	122, 376, 333	
5,585	23, 119, 779	2,408,435	68,060,641	66, 540, 161	135, 697, 205	
5,615	23, 537, 151	2,339,330	69,348,950	72,426,007	143, 075, 141	
5,447	23,550,365	2,369,766	77, 364, 106	72, 890, 023	150, 718, 636	
53, 536	218, 135, 998	42, 525, 472	519, 788, 789		1, 134, 398, 330	2:
53, 571	231, 082, 301	48, 276, 330	550, 373, 048	643, 585, 845	1, 233, 468, 926	
53, 630	239, 126, 454	50, 869, 593	584, 260, 150	676, 991, 704	1, 310, 153, 946	23
53, 840	251, 908, 643	55, 701, 838	585, 691, 534	728, 461, 679	1, 357, 688, 488	
52, 167	254, 004, 293	54, 693, 816	623, 943, 855	760, 927, 799	1, 433, 878, 158	25
6,352	25,661,198	647, 932	28, 880, 418		79, 194, 812	26
7, 015	30, 368, 196	662,346	40,928,514	50, 935, 371	91,632,352	27
7, 125	31,575,799	734,545	43, 151, 211	55, 036, 299	97, 154, 391	28
7, 299	33,429,475	736, 209	48, 050, 289	56,555,467	103,872,960	29
7, 961	37,624,015	759,095	59,703,525	63,860,750	123, 467, 602	30

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry,

1957-611 - Continued

			,	ontinued					
	S.I.C.	Industrial group and industry	Estab-		dministrat office emp		F	roduction	workers
No.			ments	Male	Female	Salaries	Male	Female	Wages
				number		\$	nu	mber	\$
		 Miscellaneous manufacturing industries — Continued: 							
		Scientific and professional equipment manufacturers—Concluded:							
1	3812	Clock and watch manufacturers 1957	29	149	115	1,301,186	339	450	2,378,877
2		1958	31	161	123	1,361,808	320	437	2,412,789
3		1959	31	156	121	1,359,919	293	396	2, 261, 139
4		1960	28	160	129	1,518,906	306	432	2,395,543
5		1961	27	167	120	1,394,594	309	440	2,497,913
6	3813	Orthopedic and surgical appliance 1957 manufacturers.	37	64	45	410,034	114	155	595,890
7		1958	36	65	36	427,384	112	137	569,938
8		1959	36	65	39	428, 439	111	128	581,557
9		1960	37	66	- 41	490, 987	114	125	603,138
10		. 1961	39	71	39	503,985	102	118	623,432
11	3814	Opthalmic goods manufacturers 1957	35	166	104	1,071,553	489	240	1,824,739
12		Ophthalmic 1958	37	214	109	1, 229, 549	481	226	1,872,464
13		1959	36	167	116	1,093,583	488	218	1,911,954
14		1960	43	243	90	1,450,090	493	243	2, 052, 035
15		1961	47	151	103	1,150,693	484	224	2,021,048
16	382	Jewellery and silverware manufacturers 1957	216	637	415	4,199,120	2,345	1,301	10,334,002
17		1958	216	680	460	4,662,872	2,200	1,352	10, 167, 477
18		1959	209	664	416	4,763,541	2, 015	1, 186	9,776,139
19		1960	218	642	425	5, 003, 108	1, 974	1,148	10,014,163
20		1961	225	669	460	5, 155, 765	2, 116	1, 224	10,684,707
21	383	Broom, brush and mop industry 1957	99	311	195	2, 013, 298	1,090	551	3,689,712
22		1958	94	302	190	2,020,401	1,071	558	3,772,862
23		1959	97	302	200	2,194,420	1,120	548	4,028,603
24		1960	99	335	198	2, 502, 221	1,058	532	4,031,297
25		1961	96	293	201	2, 443, 551	1,039	585	4,147,722
26	384	Venetian blind manufacturers 1957	81	101	38	455, 983	166	81	E00 100
27		1958	74	107	40	491,544	167	80	528, 162 557, 272
28		1959	70	101	.36	486,200	159	77	
29		1960	72	94	35	469, 151	180	58	524, 454 574, 032
30		. 1961	69	90	.39	486,602	153	68	547,559
31	385	Plastic fabricators, n.e.s	180	. 200	600	2 880 440	1 000		
32		1958	184	583	283 316	3,879,419	1,991	1,341	8,373,052
33		1959	196	812	367	4,369,391	2,180	1,391	9,519,835
34		1960	249	984	433	5,404,897 7,023,266	2,749	1,618	12, 195, 442
35		1961	278	1,255	509	8, 824, 198	3,155	1,721 2,100	14, 051, 383 17, 308, 460

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957 - 61^1 - \text{Continued}$

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
number			dollars		
		1	1		
1,053	3,680,063	53,278	8,436,231		16,348,832
1,041	3,774,597	55,032	7,626,695	6,783,087	14,626,483
966	3,621,058	53,086	7,624,801	7, 204, 954	15,007,618
1,027	3,914,449	55,282	7,803,030	8,037,957	15,477,452
1,036	3,892,507	61,083	7,980,252	8,243,101	16,422,305
378	1,005,924	31,271	1,213,467		2,746,916
350	997,322	28,509	863,888	1,644,037	2,538,433
343	1,009,996	28,037	863,030	1,585,780	2,458,874
346	1,094,125	28, 136	892, 087	1,478,018	2,395,817
330	1,127,417	28, 567	938,874	1,963,492	2,878,044
999	2,896,292	88,719	2,563,146	••	6,048,813
1,030	3,102,013	86,171	3,049,429	3,636,717	6,686,268
989	3,005,537	86, 955	3,463,325	3,482,873	7,123,353
1,069	3,502,125	87,793	3,119,740	3,717,951	6,864,423
962	3,171,741	87, 525	3, 184, 728	4,110,465	7,560,456
4,698	14,533,122	406,371	28,836,670		53,329,122
4,692	14,830,349	410,559	29,939,638	24,530,741	54,132,305
4,281	14,539,680	377, 072	30,481,546	24,690,377	55,194,136
4,189	15,017,271	352,276	28,903,998	24,816,572	53,671,732
4,469	15,840,472	378, 943	29,646,657	25, 987, 264	55,676,781
2,147	5,703,010	196,566	9,457,408	••	19,927,707
2,121	5,793,263	176,488	8,702,978	9,527,767	18,686,003
2,170	6,223,023	195, 871	8,710,360	10,623,198	19, 452, 722
2,123	6,533,518	187, 125	8,790,263	11,930,964	20,901,710
2,118	6,591,273	199, 276	10, 200, 243	12, 809, 244	22, 575, 747
386	984,145	85, 812	2,091,804	0 0	3,900,276
394	1,048,816	73,467	2,230,023	1,764,986	4,057,255
373	1,010,654	59, 305	2,040,250	1,918,832	4,020,151
367	1,043,183	57,789	1,831,547	1,670,873	3,574,029
350	1,034,161	56,750	2,142,533	2,018,770	4,204,928
4,198	12, 252, 471	784,537	27,195,900		52,342,910
4,533	13,889,226	806,989	31,923,259	31,840,107	63,449,181
5,546	17,600,339	979,979	41,160,092	37,695,267	78,308,519
6,293	21,074,649	1,150,462	47,394,994	41,097,906	88,345,157
7,552	26, 132, 658	1,429,299	58,119,620	50, 110, 240	00,010,101

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957 - 61^1$ — Continued

_			1957 - 0	611 - C	ontinued					
	S.I.C. Code	Industrial group and indus	try	Estab- lish-		dministrat		F	roduction	workers
No.				ments	Male	Female	Salaries	Male	Female	Wages
		20. Miscellaneous manufacturing industr Continued:	ies –		number		\$	nu	mber	\$
1	3931	Sporting goods and toy industry:								
2	2921	Sporting goods industry		100	376	227	2,346,539	1,525	662	5,976,837
3			1958	104	415	247	2,883,404	1,581	. 661	6, 134, 030
4			1959	103	455	272	3, 398, 522	1,865	726	7,795,711
5			1960	107	435	306	3, 344, 246	1,991	719	9,012,325
			1961	107	418	266	3, 296, 692	2,015	741	9, 440, 185
6	3932	Toys and games industry	1957	67	163	113	1, 255, 728	708	1,149	3,737,675
7			1958	70	181	123	1,513,351	724	1, 158	4,098,488
8			1959	67	210	141	1,760,610	828	1,363	4,659,607
9			1960	71	229	156	1,791,274	965	1, 432	5, 332, 532
10			1961	73	209	200	1,972,358	946	1,476	5, 495, 576
11	395	Fur dressing and dyeing industry	1957	16	102	18	748,838	782	. 157	2,636,590
12			1958	14	75	15	485,254	680	138	2,439,445
13			1959	15	82	15	612,446	766	130	2,799,973
14			1960	16	78	18	638,820	760	130	2,990,555
15			1961	15	78	17	565,526	746	131	3,177,852
16	397	Signs and displays industry	1957	326	697	215	3,861,792	0 100	150	7 040 0H4
17	ł		1958	338	707	233	4, 411, 394	2, 166	158	7,948,971
18			1959	328	724	224	4,643,526	2, 321	195	8,594,199
19			1960	346	813	261	5, 491, 330	2, 415	227	9,630,271
20			1961	367	834	266	5, 563, 440	2,531	211	10, 118, 610
					001	200	0,000,440	2,563	184	10, 522, 014
	1	Miscellaneous manufacturing indus n.e.s.:	tries,							
21	3981	Button, buckle and fastener indu	stry 1957	45	202	122	1,561,542	549	753	3,041,955
22			1958	43	188	117	1,506,953	537	695	3,035,905
23			1959	43	181	125	1, 497, 392	512	719	3, 232, 086
24			1960	42	170	121	1, 558, 995	523	695	3, 269, 808
25			1961	40	165	137	1, 458, 950	569	688	3, 371, 673
26	3982	Candle manufacturers	1957	18	34	22	256,062	119	72	423, 796
27			1958	19	43	29	340,158	108	67	
28			1959	21	41	30	357, 236	110	67	417,805 476,889
29			1960	17	38	28	359,875	108	69	472, 227
30			1961	16	30	31	335,709	103	75	497,620
31	3983	Hair goods manufacturers		11	12	5	55 570	20	00	110 711
32			1050	10	11	7	55, 579	39	23	110, 742
33			1959	8	.8	3	59, 177	43	. 29	133,081
34			1960	11	11	5	63 303	20	10	76, 109
35			1961	11	12	5	63, 303 58, 957	23	20	110, 282
	-	tnote at and of table	2002	11	12	5	96, 997	30	21	109, 152

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957 - 61^1 - \text{Continued}$

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
number			dollars		
				ì	
2,790	8,323,376	333,538	9, 389, 099		04 992 705
2,904	9,017,434	349, 687	10, 580, 558	16, 546, 978	24, 336, 797
3,318	11, 194, 233	393, 265	12, 796, 718	23, 558, 243	27, 563, 350 35, 460, 121
3, 451	12, 356, 571	417, 248	16,890,970	20, 793, 066	37, 642, 356
3,440	12,736,877	442, 993	19,640,754	24, 393, 535	43, 280, 687
					22,200,00
2, 133	4, 993, 403	234, 344	9, 202, 676	••	18,682,151
2,186	5,611,839	248, 587	10, 703, 594	10, 598, 537	21, 279, 139
2,542	6, 420, 217	245,605	11,927,029	11, 984, 446	23, 817, 602
2,782	7, 123, 806	251, 769	12,898,501	12, 170, 419	24, 996, 422
2,831	7, 467, 934	264, 407	14,820,448	14, 397, 393	29,614,301
1,059	3, 385, 428	122, 526	1, 248, 961	• •	6,299,336
908	2,924,699	112,549	895, 585	4, 524, 486	5, 508, 408
993	3, 412, 419	119, 417	1, 253, 798	5, 145, 138	6,503,695
986	3,629,375	124, 567	1,000,856	5,670,920	6,774,986
972	3,743,378	119,508	1, 265, 565	5,448,617	6,833,867
				1	
3, 236	11,810,763	576,879	10, 435, 045	• •	28, 371, 912
3,456	13,005,593	550,647	11, 362, 969	20, 101, 681	31, 844, 726
3, 590	14, 273, 797	513,772	12,074,347	21, 703, 595	34, 169, 146
3, 816	15,609,940	525, 360	12, 927, 818	24, 222, 991	37, 778, 745
3,847	16, 085, 454	587,610	13,989,388	26, 145, 467	40, 161, 756
1,626	4 602 407	125 100	5 500 000		
1,537	4, 603, 497 4, 542, 858	135, 188	5, 537, 872		13, 183, 373
1,537	4,729,478	139, 738 133, 749	5, 439, 001	7,760,879	13, 141, 650
1,509	4, 828, 803	132, 963	5, 788, 183 5, 800, 244	7, 721, 529 7, 839, 951	13, 807, 836
1,559	4,830,623	138, 545	5, 985, 160	8,088,884	13, 867, 125 14, 158, 425
			0,000,000	0,000,001	14, 100, 423
247	679,858	56,043	1,303,670	• •	2, 879, 197
247	757, 963	51,482	1,244,621	1,759,275	3,006,982
248	834, 125	54,395	1, 220, 445	1,711,255	2, 994, 344
243	832, 102	55, 156	1, 169, 589	1,698,223	2,964,400
239	833, 329	45,039	1, 247, 172	1,840,998	3, 089, 315
79	166, 321	3, 279	591,577		800 222
90	192, 258	2,538	444, 782	308,817	890, 333 751, 000
41	117, 503	1,217	150, 425	162, 090	751,009 315,961
59	173, 585	4,592	215, 158	269, 138	
68	168, 109	4,340	269, 483	200, 200	485, 588

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-611 - Continued

	S.I.C.	Industrial group and industry	Esta	1-		dministrativ		Pi	oduction w	orkers
No.	Code		men	ts	Male	Female	Salaries	Male	Female	Wages
140.					number		\$	nur	nber	\$
		20. Miscellaneous manufacturing industries — Continued:	į							
		Miscellaneous manufacturing industries n.e.s. — Continued:							,	
1	3984	Artificial flowers and feathers manu- 1	957	40	51	37	297, 493	119	226	585, 879
2		facturers.	958	40	49	35	309, 679	122	229	656, 216
3		1	959	36	52	33	318, 112	117	227	674, 443
4		1	960	33	51	31	335,969	133	216	699, 578
5		1	961	32	52	26	329, 124	123	194	632, 225
6	3985	Model and pattern manufacturers 1	957	87	129	42	853, 546	509	70	2, 129, 488
7		. 1	958	89	133	44	825, 495	462	77	2, 132, 960
8		1	959	86	135	49	914, 962	558	73	2, 698, 286
9		1	960	92	152	49	1, 072, 675	590	62	2, 904, 817
10		1	961	86	166	68	1, 221, 796	662	96	3, 281, 704
11	3986	Musical instrument and sound recording 1	957	23	129	92	901, 140	966	263	3, 669, 134
12		industry.	958	22	147	91	1, 040, 402	907	272	3, 718, 888
13		1	959	22	143	92	1, 148, 570	915	295	4, 067, 370
14		1	960	28	161	103	1, 286, 956	907	331	4, 410, 048
15		1	961	30	181	100	1, 437, 751	958	352	4, 590, 068
16	3988	Typewriter supplies manufacturers 1	957	9	85	49	638, 435	190	111	776, 008
17		1	958	9	78	47	629, 941	182	111	775, 176
18		1	959	9	68	53	637, 142	187	110	817, 112
19				10	68	53	655, 914	193	120	934, 590
20		1	961	10	66	47	681, 971	205	120	958, 398
21	3989	Fountain pen and pencil manufacturers 1	957	18	177	144	1, 494, 180	279	563	1, 984, 775
22		1	958	17	183	148	1, 497, 846	291	536	1, 946, 553
23		". " 1	959	15	182	132	1, 643, 622	271	509	1, 954, 15
24		1	960	19	189	134	1, 738, 846	240	538	1, 977, 664
25		. 1	961	18	187	130	1, 733, 143	228	537	1, 997, 057
26	3993	Smokers' supplies manufacturers 1	957	11	29	20	199, 589	56	45	292, 74
27		. 1	958	12	27	24	193, 932	45	33	220, 168
28		1	959	11	29	25	193, 297	45	33	242, 99
29		1	960	11	28	27	200, 297	46	39	254, 204
30		1	961	10	30	24	247, 999	46	43	266, 482
31	3995	Stamp and stencil (rubber and metal) 1	957	69	180	86	1, 178, 682	544	147	2, 024, 524
32		manufacturers.	958	69	178	89	1, 227, 923	521	139	2, 049, 605
33		1	959	67	190	88	1, 335, 971	572	118	2, 239, 263
34		1	960	70	197	91	1, 454, 445	621	97	2, 484, 854
35		1	961	70	169	85	1, 250, 782	526	79	2, 146, 149

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957-61^{\circ}$ — Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	P.V.
number			dollars			No
						-
433	883, 372	23, 927	002 010			
435	965, 895	22,713	993, 218	1 070 000	2, 515, 806	1
429	992, 555	17, 200	1, 215, 710	1, 678, 696	2, 887, 595	2
431	1, 035, 547	20, 239	885, 909	1,773,272	2, 672, 470	3
395	961, 349		985, 662	1, 507, 831	2, 587, 258	4
	301, 013	20,725	974, 419	1, 703, 644	2, 628, 200	5
750	2, 983, 034	86, 427	1, 375, 128		6, 727, 937	6
716	2, 958, 455	80, 142	1, 362, 905	4, 942, 011	6, 331, 424	7
815	3, 613, 248	89, 287	1, 945, 579	6, 214, 626	8, 257, 188	8
853	3, 977, 492	90, 235	1, 632, 224	7, 012, 901	8, 652, 609	9
992	4, 503, 500	93, 740	2, 229, 558	7, 654, 808	9, 804, 880	10
1, 450	4, 570, 274	177, 192	4, 752, 748		14, 698, 634	11
1, 417	4, 759, 290	174, 596	5, 057, 685	11, 123, 432	16, 271, 903	12
1, 445	5, 215, 940	194, 674	5, 591, 210	12, 350, 106	18, 041, 082	13
1, 502	5, 697, 004	193, 954	5, 932, 430	13, 489, 601	19, 644, 578	14
1, 591	6, 027, 819	201,891	6, 365, 694	15, 002, 671	21, 428, 010	15
435	1, 414, 443	47, 772	3, 151, 084		6, 135, 100	16
418	1, 405, 117	51, 812	2, 978, 720	2, 986, 893	6, 043, 444	17
418	1, 454, 254	55, 791	3, 290, 258	3, 264, 130	6, 563, 245	18
434	1, 590, 504	55, 903	3, 646, 747	3, 000, 481	6, 626, 260	19
438	1, 640, 369	57, 879	3, 870, 689	3, 035, 094	6, 953, 200	20
1, 163	2 470 055	97 95	F 001 400			
1, 158	3, 478, 955	87, 865	5, 691, 490		13, 342, 735	21
1, 094	3, 444, 399 3, 597, 777	87, 799	5, 544, 981	6, 989, 296	12, 766, 946	22
1, 101	3, 716, 510	87, 313 85, 024	5, 549, 835	7, 735, 185	13, 248, 666	23
1, 082	3, 730, 200	90, 780	5, 912, 214	7, 656, 111	13, 939, 973	24
1,002	3, 130, 200	30, 100	6, 445, 089	8, 349, 738	15, 051, 086	25
150	492, 333	20, 109	1, 321, 371	••	2, 431, 627	26
129	414, 100	14, 550	908, 780	942, 484	1, 978, 727	27
132	436, 289	14, 584	953, 483	1, 013, 870	2, 282, 762	28
140	454, 501	17,773	886, 583	1, 034, 152	1, 995, 884	29
143	514, 481	16, 258	1, 105, 408	1, 188, 046	2, 322, 476	30
057	0.000.005	05 504	1 001 050			
957	3, 203, 206	85, 594	1, 921, 079		6, 290, 402	31
927	3, 277, 528	90, 483	1, 963, 875	4, 744, 266	6, 832, 461	32
968	3, 575, 234	91, 769	2, 282, 475	4, 960, 145	7, 329, 996	33
1, 006	3, 939, 299	112, 023	2, 430, 428	5, 492, 113	8, 018, 658	34
859	3, 396, 931	103, 778	1, 851, 842	4, 602, 233	6, 536, 292	35

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, 1957-611 - Concluded

	S.I.C.	Industrial group and industry	Estab-		Administr office en	rative and nployees		Productio	n workers
No.	0000		ments	Male	Female	Salaries	Male	Female	Wages
		20. Miscellaneous manufacturing industries — Concluded:		number		\$	nu	mber	\$
		Miscellaneous manufacturing industries, n.e.s Concluded:							
1	3996	Statuary, art goods, regalia and novelty 1957 manufacturers.	94	137	43	639, 394	344	256	1, 277, 220
2		. 1958	90	142	48	624, 582	304	270	1, 234, 115
3		1959	86	136	46	692, 570	300	253	1, 287, 972
4		1960	90	157	50	780, 147	309	252	1, 373, 933
5		1961	87	152	62	816, 910	304	250	1, 379, 993
6	3997	Umbrella manufacturers 1957	9	23	7	112, 532	19	102	201, 160
7		. 1958	8	20	3	119,861	16	92	187, 318
8		1959	8	18	2	105, 376	21	85	189, 434
9		1960	8	18	5	136, 547	16	75	194, 234
10		1961	8	16	8	145, 907	26	. 77	221, 148
11	3998	Artificial ice manufacturers 1957	33	70	15	293,013	210	1	623, 836
12		1958	31	54	15	247, 262	195	_	592, 551
13		1959	29	57	13	273, 092	188	010	595, 169
14		1960	29	44	13	225, 353	164	-	547, 364
15		1961	30	44	13	218, 909	159	1	502, 237
16	3999	Other miscellaneous industries 1957	60	273	206	2, 255, 231	1,029	868	4, 728, 842
17		1958	61	274	208	2, 173, 595	927	738	4, 402, 757
18		1959	57	324	207	2, 546, 702	994	751	4, 845, 114
19		. 1960	53	276	180	2, 429, 252	900	722	4, 562, 658
20		, 1961	46	220	160	2, 044, 205	873	690	4, 493, 613
21		Totals, miscellaneous manufacturing 1957	1, 791	6, 554	3, 330	43, 301, 061	19, 667	10, 771	84, 534, 655
22		industries.	1, 802	7, 134	3, 602	49, 173, 537	19, 524	10,750	87, 489, 714
23		1959	1, 766	7, 487	3, 705	53, 929, 012	20, 536	11, 030	95, 059, 572
24		1960	1,881	7,917	3, 857	58, 686, 178	21, 304	11, 129	102, 137, 144
25		1961	1, 928	7, 783	3, 991	59, 699, 376	22, 568	11, 947	112, 178, 143
26		Grand totals, all manufacturing indus- 1957 tries.	33, 551	220, 310	85, 305	1, 386, 236, 109	819, 499	215, 834	3, 391, 803, 438
27		1958	32, 446	216, 238	83, 980	1, 452, 639, 112	764, 869	207, 599	3, 305, 975, 319
28		1959	32, 075	215, 513	83, 305	1, 512, 529, 222	779,059	209, 932	3, 517, 598, 977
29		1960	32, 852	219, 866	84, 000	1, 585, 379, 151	764, 691	206, 919	3, 565, 123, 889
30		1961	32, 415	213, 798	81,872	1, 585, 333, 662	758, 195	211, 081	3, 646, 113, 307

¹ Not directly comparable with statistics for years prior to 1957; see Part I, Section B, "Changes in Classification and Concept".

² Value of production, rather than selling value of factory shipments, is shown.

TABLE 10. Principal Statistics of the Manufacturing Industries, by Industrial Group and Industry, $1957 - 61^1$ — Concluded

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
number			dollars	1	
780	1,916,614	68, 445	1, 731, 184	••	4, 752, 215
764	1,858,697	63,757	1,698,712	2, 813, 262	4, 555, 548
735	1,980,542	62,843	1,862,079	3, 479, 768	5, 347, 527
768	2, 154, 080	69, 312	2, 106, 864	3, 076, 232	5, 283, 137
768	2, 196, 903	63, 248	2,005,813	3, 429, 538	5, 442, 599
151	313,692	11,906	660, 268		1, 183, 776
131	307, 179	10, 484	608, 929	527,875	1, 125, 391
126	294, 810	8, 499	559, 305	537, 906	1,092,807
114	330,781	8,799	539, 192	528, 980	1,063,526
127	367, 055	9,486	659, 263	603, 705	1, 307, 754
296	916, 849	294, 509	139, 321		2, 027, 037
264	839, 813	270, 121	151, 401	1, 494, 310	1, 905, 838
258	868, 261	262, 593	165, 590	1,700,473	2, 130, 132
221	772, 717	253,079	151, 992	1,329,725	1,731,681
217	721, 146	235, 491	191, 833	1, 292, 049	1,725,721
2, 376	6,984,073	222,024	8, 354, 945	••	20, 994, 772
2, 147	6, 576, 352	255,773	8, 561, 581	13, 374, 100	22, 047, 854
2, 276	7,391,816	264, 076	9, 292, 324	14, 912, 021	24, 196, 149
2, 078	6,991,910	202, 136	9, 125, 646	13, 329, 889	22, 653, 563
1, 943	6, 537, 818	208, 357	9, 034, 964	13, 030, 033	22, 022, 868
40, 322	127, 835, 716	4, 882, 053	176, 475, 780		409, 582, 528
41, 010	136, 663, 251	4, 877, 019	195, 988, 813	243, 880, 091	441, 650, 675
42, 758	148, 988, 584	5, 124, 899	215, 083, 607	272, 165, 376	486, 950, 493
44, 207	160, 823, 322	5, 275, 204	231, 039, 066	279, 428, 432	511, 810, 029
46, 289	171, 877, 519	5, 704, 613	263, 868, 974	309, 523, 448	574, 812, 594
1, 340, 948	4, 778, 039, 547	475, 450, 310	11, 698, 789, 116		21, 452, 342, 614
1, 272, 686	4, 758, 614, 431	470, 608, 092	11, 630, 824, 511	9, 454, 953, 713	21, 434, 815, 270
1, 287, 809	5, 030, 128, 199	492, 048, 414	12, 339, 558, 078	10, 154, 277, 148	22, 830, 826, 631
1, 275, 476	5, 150, 503, 040	503, 978, 312	12, 451, 637, 236	10, 371, 284, 023	23, 279, 804, 128
1, 264, 946	5, 231, 446, 969	515, 384, 755	13, 127, 707, 976	10, 682, 137, 680	24, 243, 294, 949

PART III

SELECTED FACTORS IN MANUFACTURING PRODUCTION

SECTION A. CAPITAL AND REPAIR EXPENDITURES

Capital expenditures for new construction, machinery and equipment by the Canadian manufacturing industries in 1961, as compiled by the Bureau's Business Finance Division, amounted to \$1,084.8 million, exceeding the \$1,000 million level for the sixth consecutive year. In addition to capital expenditures of \$279.1 million on new construction and \$805.7 million on new machinery and equipment, a record \$681.9 million was expended on repairs. Although capital expenditures were 7.9 per cent below the 1960 total of \$1,177.4 million and 26.6 per cent below the record \$1,478.9 million in 1957, they were slightly above the ten-year (1951-60) average of \$1,079.2 million.

The main factors contributing to lower capital expenditures in 1961 were the decreases of \$67.7 million in the primary metal industries and \$27.8 million in the petroleum and coal products industries, reflecting in large measure smaller outlays on new construction and equipment for iron and steel mills. smelters and refineries, and petroleum refining facilities. On an industrial group basis, the food and beverage industries, with \$165.0 million capital expenditures in 1961, accounted for 15.2 per cent, the largest individual share of the total. Other leading groups, with amounts and percentages of the total, respectively, were paper and allied industries, \$161.0 million (14.8); primary metal industries \$126.5 million (11.7); chemical and chemical products industries \$125.7 million (11.6); transportation equipment industries \$47.1 million (4.3); and non-metallic mineral products industries \$44.7 million (4.1). These seven groups, with total capital expenditures of \$714.6 million, accounted for almost two thirds of the total.

Direct comparisons of the 1961 totals with those of previous years are not completely valid except for 1960 when the

series on capital and repair expenditures was first compiled on the Revised Standard Industrial Classification.1 The changes introduced by this new classification were essentially of two types - the transfer of certain industries such as gas processing plants and salt producers from manufacturing to mining, and of certain other types of processors to other non-manufacturing industries: and the re-allocation of some industries within manufacturing, such as the re-arrangement of the former iron and steel products and non-ferrous metal products groups into three new industrial groups. While these changes prevent direct comparison of data on an industrial group basis for 1960 and 1961 with those of previous years, comparison of provincial totals is not affected to such an extent. Prior to 1960, however, certain provincial totals are likely to be greater than they would be if compiled under the Revised Standard Classification because of the inclusion of industrial activity no longer considered as manufacturing. The only indication of the extent of this difference is to be found in the 1960 data which were compiled on both classifications and were found to be approximately two per cent smaller in total on the Revised Standard Industrial Classification basis. Reference to Table 11 will indicate that by far the largest adjustment occasioned by implementation of the revised Standard Industrial Classification in 1960 occurred in Alberta where the transfer of gas processing plants from manufacturing to mining had considerable impact on the allocation of capital expenditures.

TABLE 11. Capital Expenditures by the Manufacturing Industries, by Province, 1957-61

	Basis 19	48 Standard Ir	dustrial Clas	sification	Basis 1	960 Standard	Industrial Cla	ssification
Province	1957	1958	1959	1960	1960	1961	Change from	1960 to 1961
			\$'000	0,000			\$ '000,000 per	cent
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada	12. 9 0. 2 17. 7 15. 2 375. 8 675. 9 30. 4 14. 6 61. 6 274. 6	5.8 0.3 12.5 25.3 300.6 503.2 49.0 23.5 69.9 104.9	9. 0 0. 4 15. 0 54. 6 318. 8 502. 2 58. 8 21. 9 75. 9 87. 2	12. 1 0. 6 27. 1 29. 9 304. 4 558. 5 49. 8 12. 7 82. 2 123. 4 1, 200. 7	12. 0 0. 6 27. 0 29. 7 304. 6 554. 8 49. 8 12. 8 63. 1 123. 0	19. 4 1. 9 40. 8 21. 7 292. 3 534. 2 26. 9 13. 3 34. 9 99. 4	+ 7. 4 + 1. 3 + 13. 8 - 8. 0 - 12. 3 - 20. 6 - 22. 9 + 0. 5 - 28. 2 - 23. 6 - 92. 6	+ 61.7 + 216.7 + 51.1 - 26.9 - 4.0 - 3.7 - 46.0 + 3.9 - 44.7 - 19.2 - 7.9

In dollar terms, Ontario and Quebec continued to dominate the capital expenditure programme in 1961, with total outlays of \$534.2 million and \$292.3 million, respectively. Both, however, registered declines from 1960 along with New Brunswick and all of the Western provinces except Saskatchewan. Running counter to the general trend, capital expenditures in Nova Scotia, Newfoundland and Prince Edward Island were the highest since the current series was instituted in 1944. Expenditures in Nova Scotia, at \$40.8 million, were \$13.8 million higher than in 1960, with new and expanded facilities in pulp and paper mills and fibre preparing mills accounting for most of the increase. Expansion of pulp and paper facilities in Newfoundland, together with completion of the province's first petroleum refinery, contributed to that province's increase of \$7.4 million to a 1961 total of \$19.4 million. In Prince Edward Island, completion of a new plant for processing vegetables was the major factor in that province's 1961 capital expenditures of \$1.9 million.

Although expansion and modernization of manufacturing plant and equipment have been at unprecedented levels in the ten-year (1952-61) period, the regional incidence has varied considerably. One measure of this variation is the ratio of capital expenditures to the selling value of factory shipments.

In the first half of the period (1952-56), Alberta's average capital investment programme, equivalent to 13.1 per cent of its average selling value of factory shipments, led all other provinces by a wide margin. Newfoundland, with 10.0 per cent, and British Columbia, with 8.7 per cent, had the next highest proportions and, together with Alberta, were the only provinces exceeding the all-Canada average of 5.5 per cent. Although not directly comparable because of a change in the Standard Industrial Classification, the provincial variation during the second half of the period (1957-61) was less marked, ranging from 9.7 per cent for Newfoundland to 2.7 per cent for Prince Edward Island. During this period the ratio of capital expenditures to selling value of factory shipments was higher than in the 1952 -56 period in all provinces except Newfoundland, Ontario, Alberta and British Columbia where the declines were sufficient to reduce the Canadian proportion from 5.5 per cent in 1952-56 to 5.3 per cent in 1957-61. In terms of dollars, however, all provinces except Alberta had greater capital expenditures during the second half of the ten-year period. In the case of Alberta, much of this decrease can be attributed to the removal of gas processing plants from the manufacturing sector for 1960 and 1961 when new construction of these facilities was near its peak.

¹ See pages 23-25 inclusive of Private and Public Investment in Canada, Outlook 1962, Department of Trade and Commerce, Queen's Printer and Controller of Stationery, Ottawa.

TABLE 12. Comparison of Capital Expenditures with Value of Factory Shipments, 1952-61

	Annu	al average, 195	2-56	Annı	nal average, 195	7-61
Province	Capital expenditures 1	Selling value of factory shipments ¹	Capital expenditures as a percentage of shipments	Capital expenditures ³	Selling value of factory shipments ³	Capital expenditures as a percentage of shipments
	\$'000	,000	p.c.	\$'000	,000	p.c.
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saşkatchewan Alberta British Columbia Canada	11, 2 0, 6 17, 5 12, 5 244, 1 486, 9 20, 6 13, 8 78, 4 135, 1	112. 2 23. 1 33.2. 5 297. 1 5, 700. 8 9, 210. 9 593. 2 279. 9 598. 9 1, 546. 1 18, 694. 7	10. 0 2. 6 5. 3 4. 2 4. 3 5. 3 5. 3 5. 3 13. 1 8. 7 5. 5	11.8 0.7 22.6 29.3 318.4 554.1 43.0 17.2 61.1 137.8	121.7 26.4 375.4 338.8 6,827.4 11,253.3 706.4 321.9 831.3 1,844.4 22,647.0	9.7 2.7 6.0 8.6 4.7 4.9 6.1 5.3 7.5

TABLE 13. Total Capital and Repair Expenditures by the Manufacturing Industries, 1944-60, and by Province and Industrial Group, 1961

Voca movings and many	C	apital expenditures	3	R	epair expenditures	3
Year, province and group	Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
			\$'000	0,000		
944	61.3	150,1	211.4	60.7	173.5	234.
.945	75.9	204, 2	280. 1	63.1	170.6	233.
946	132.2	205.0	337.2	56.8	164.3	221.
947	184.7	343.2	527.9	62.4	210.7	. 273.
948	184.8	394.2	579.0	78.9	253. 9	332.
949	156.6	379.2	535.8	66.7	267. 2	333.
950	135. 4	367.1	502.5	67.6	279.0	346.
951	267.6	525.0	792.6	85.0	337.0	422.
952	343.6 324.5	629.0	972.6	95.2	363.5	458.
953 954	324.5 287.6	644.5	969.0	94.6	385.5	480.
955	344.5	601.8	822.1	97.6	390.9	488.
956	487.7	906.1	946.3	100.6	413.0	513.
957	519.9	959.0	1,393.8 1,478.9	112.2 115.4	465.6 498.5	577.
958	397.6	697.4	1,476.9	109.8	498.5	613. 571.
959	373.9	769.9	1, 143. 8	125. 2	537.3	662.
960	334.7	842.7	1,177.4	124.4	547.2	671.
Province						
	0.5					
ewfoundland	9.5	9, 9	19.4	0.9	6.3	7.
ince Edward Island	1.0	0.9	1.9	0.1	0.4	0.
ova Scotia	11.8	29.0	40.8	4.0	11.5	15.
ew Brunswick	6.0 77.2	15.7	21.7	2.2	11.9	14.
uebecntario	125.3	215. 1 408. 9	292.3 534.2	34.2	152.3	186.
anitoba	7.9	19.0	26.9	56.7	278.8	335.
skatchewan	5. 4	7.9	13.3	5. 3 2. 9	13.0	18.
lberta	9. 2	25.7	34.9	5. 2	16.8	5. 22.
ritish Columbia	25.8	73.6	99.4	12.5	64.3	76.
Totals, 1961	279.1	805. 7	1, 084, 8	124. 0	557. 9	
	215.1	300, 1	1,004.0	124.0	001.9	681.
Industrial group						
ood and beverage industries	58. 1 1. 7	106.9	165.0	14.1	61.7	75.
obacco products industries	2,6	6.4	8.1	1.3	3.1	4.
abber industries	0.6	13.8	16.4	0.9	8.3	9.
extile industries	5. 5	3. 2 22. 0	3.8 27.5	- 0.6 3.8	2.6	3.
itting mills	1.1	5.0	6.1	0.4	20.3	24.
othing industries	1. 9	5. 2	7. 1	0. 4	2.7	2.
ood industries	13.6	31.0	44.6	5. 8	29.6	35.
imiture and fixtures industries	1.2	3.5	4.7	1.0	2.4	30.
Der and allied industries	37. 1	123.9	161.0	9. 2	101.8	111.
inting, publishing and allied industries	6.4	24.3	30.7	2.5	7.2	9.
imary metal industries	32.9	93.6	126.5	19.1	135.0	154.
tal fabricating industries (except machinery and						2010
transportation equipment industries)	8.4	29.3	37.7	5, 2	23.9	29.
chinery industries (except electrical machinery)	5.5	16.7	22.2	2.9	8.7	11.
ansportation equipment industries	13.9	33.2	47.1	10.5	30.2	40.
ectrical products industries	7.8	22.4	30.2	3.2	16.3	19.
n-metallic mineral products industries	11.9	32.8	44.7	4.2	42.0	46.
troleum and coal products industries	27.9	4.0	31.9	26.1	4.4	30.
nemical and chemical products industries	35. 4	90.3	125.7	10.4	49.7	60.
scellaneous manufacturing industries	5.6	14.2	19.8	2.2	6.3	8.
apital items charged to operating expenses	-	124.0	124.0	_		

Basis 1948 Standard Industrial Classification.
 Basis 1948 Standard Industrial Classification for 1957-59; 1960 Standard Industrial Classification for 1960 and 1961.
 Basis 1960 Standard Industrial Classification.

TABLE 14. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Group and Industry, 1960 and 1961

		Car	oital expenditu	ıres	Rep	air expenditure	es
Industrial group, industry and year		Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
1. Food and beverage industries:			ŀ	\$'	000	1 1	
Slaughtering and meat processors ²	. 1960	8, 407 6, 321	8, 643 11, 395	17, 050 17, 716	2, 834 2, 784	9, 623 11, 727	12, 45 14, 51
Dairy factories and Process cheese manufacturers		5, 139	16, 462 19, 112	21,601	2, 408	9, 973	12, 38
Fish products industry		1, 141	1, 683	24,539	2, 278 999	10,594	12, 87
Fruit and vegetable canners and preservers ²		1,498	2, 331 9, 996	3, 829 14, 870	1, 021	2, 117 4, 726	2, 97 5, 74
Feed manufacturers	. 1960	6,516	8, 938 5, 970	15, 454 9, 408	1,070	5,614	6, 68 3, 06
Flour mills and Breakfast cereal manufacturers	1961	3, 010 2, 038	4, 834 4, 562	7, 844 6, 600	725 567	2, 426	3, 15 2, 58
Biscuit manufacturers	1961	4, 109 1, 042	7, 201	11, 310 2, 516	829 307	2, 110 1, 138	2, 93 1, 44
Bakeries	1961	2, 109	2, 307 10, 217	2, 891 12, 326	292 1, 045	1, 157 5, 835	1, 44
	1961	1, 766	8, 768	10,534	1, 147	6, 020	6, 88
Other food processors	1961	8, 040 14, 400	16, 989 18, 290	25, 029 32, 690	1, 731 1, 999	8, 974 9, 832	10, 70 11, 83
Breweries	. 1960 1961	8, 240 8, 557	11, 455 11, 433	19, 695 19, 990	1,311 943	4,503 4,998	5, 8: 5, 94
Other beverage manufacturers	. 1960 1961	8, 290 5, 889	11, 774 12, 210	20, 064 18, 099	1, 361 1, 193	4,834 5,160	6, 1 6, 3
Totals	. 1960 1961	52, 758 58, 077	99, 225 106, 819	151, 983 164, 896	14, 321 14, 115	55, 673 61, 755	69, 99 75, 8
. Tobacco products industries	. 1960 1961	1, 689 1, 676	5, 182 6, 363	6, 871 8, 039	1, 229 1, 215	3, 320 3, 152	4, 54 4, 36
. Rubber industries	. 1960 1961	6, 970 2, 630	17, 052 13, 800	24, 022 16, 430	1, 073 877	8, 059 8, 274	9, 13 9, 15
. Leather industries	. 1960 1961	1, 348 705	2, 677 3, 270	4, 025 3, 975	514 627	2, 267 2, 745	2, 78 3, 3
. Textile industries:							
Cotton yarn and cloth mills	. 1960 1961	822 958	4, 908 6, 066	5,730 7,024	1, 271 1, 661	4, 994 7, 190	6, 26 8, 85
Woollen mills	. 1960 1961	465 710	1, 924 2, 165	2, 389 2, 875	328 468	1, 217 1, 837	1, 54 2, 30
Synthetic textile mills	1960 1961	718 892	7, 234 6, 931	7, 952 7, 823	865 824	6, 470 6, 280	7, 33 7, 10
Other primary textile mills		1,750 1,747	5, 504 4, 632	7, 254 6, 379	921 607	4, 209 3, 790	5, 13
Other textile industries		2, 236	1,504	3,740	163	725	4, 39
Totals	1960	1, 098 5, 991	2, 193 21, 074	3, 291 27, 065	261 3, 548	1, 190 17, 615	1, 45 21, 16
	1961	5, 405	21, 987	27, 392	3, 821	20, 287	24, 10
Knitting mills: Hosiery mills	1980	280	9 789	3,042	183	ero	0.1
	1961	656	2, 762 2, 670	3,326	189	659 648	84 83
Other knitting mills	1961	541 418	2, 281 2, 390	2, 822 2, 808	235 202	1, 052 1, 130	1, 28 1, 33
Totals	1960 1961	821 1, 074	5, 043 5, 060	5, 864 6, 134	418 391	1, 711 1, 778	2, 12 2, 16

TABLE 14. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Group and by Industry, 1960 and 1961. — Continued

Industrial group, industry		Cap	ital expenditu	res	Rep	pair expenditu	res
and year		Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
7. Clothing industries:			1	\$*	000		
Men's clothing industry.	. 1960	885 770	1,743	2,628	302	840	1, 14
Women's clothing industry	1960	388	1, 949	2, 719 2, 012 1, 999	354 s	1,002	1, 35
Other clothing industries4	1961	198	1, 801 1, 438	1, 999	3	3	82
Totals	1961	970 1, 498	1,511	2,481	3	3	1, 34 1, 26
	1961	1, 938	4, 805 5, 261	6, 303 7, 199	740 658	2, 590 2, 787	3, 33 3, 44
3. Wood industries:							
Sawmills (including Shingle mills)	. 1960 1961	7, 387 9, 197	19,457 19,229	26, 844 28, 426	4,047 4,109	21, 963 22, 250	26, 01 26, 35
Veneer and plywood mills	. 1960 1961	2, 186 1, 188	4,845 3,779	7, 031 4, 967	567 741	3, 437 3, 482	4, 00 4, 22
Sash and door and planing mills	. 1960 1961	1, 961 1, 660	3, 048 4, 512	5,009 6,172	634 730	2, 421 2, 746	3,05
Other wood industries		1, 083 1, 581	1,370 3,430	2,453 5,011	288 259	992	3, 47 1, 28
Totals		12, 617	28, 720	41, 337	5, 536	1, 203 28, 813	1,46 34,34
	1961	13, 626	30, 950	44, 576	5, 839	29, 681	35, 52
Furniture and fixture industries:							
Household furniture industry	1961	2,738 450	2, 602 1, 784	5,340 2,234	685 644	1,343 1,470	2, 02 2, 11
Office furniture industry	1960 1961	3	3	490 608	3 3	3	27 33
Other furniture industries and Electric lamp and shade industry.	1960 1961	3 3	3	1, 913 2, 022	3	3 3	1, 06 1, 04
Totals	1960 1961	3, 105 1, 265	4, 638 3, 599	7, 743 4, 864	993 1, 021	2, 373 2, 466	3, 36 3, 48
. Paper and allied industries:		.,	-,000	2,002	1,002	2, 400	9, 40
Pulp and paper mills	1960	27, 750	113, 493 105, 260	141, 243	7, 854	84, 811	92, 66
Paper box and bag manufacturers	1961 1960	33, 111 4, 781	105, 260	138, 371	7, 742	92, 577	100, 319 5, 446
Other paper converters and Asphalt roofing	1961	2, 418	11, 905	14, 323	822	5, 025	5, 84'
manufacturers.	1961	2,646 1,524	6, 105 6, 754	8,751 8,278	619 634	4, 276 4, 375	4, 898 5, 009
Totals	1960 1961	35, 177 37, 053	131, 250 123, 919	166, 427 160, 972	9, 157 9, 198	93, 849 101, 977	103, 000 111, 17
Printing, publishing and allied industries:							
Commercial printing	1960 1961	2,442 1,080	11,663 13,352	14, 105 14, 432	934 1, 182	3, 508 3, 721	4,442
Engraving, stereotyping and allied industries	1960 1961	3	3	1,700 1,374	3 3	3 3	611
Printing and publishing	1960 1961	3 3	3	13,450 15,043	3 3	3 3	4, 180 4, 277
Totals		7, 415	21, 840	29, 255	2, 441	6, 792	9, 233
	1961	6, 410	24, 439	30, 849	2, 580	7, 166	9, 746
Primary metal industries:	1000	22 700	00 075	114 704	9 505	80.000	
Iron and steel mills	1960 1961	23, 789 13, 043	90, 975 54, 599	114, 764 67, 642	6,535 4,198	79, 938 67, 885	86, 473 72, 083
Steel pipe and tube mills	1960 1961	2, 652 318	9, 213 4, 047	11.865 4.365	381 374	3,350 4,142	3,731 4,516

TABLE 14. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Group and by Industry, 1960 and 1961 - Continued

		Cap	ital expenditur	es	Repair expenditures			
Industrial group, industry and year		Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total	
2. Primary metal industries — Concluded:			1	\$'	000			
Iron foundries	1960	1, 140 719	1,590 3,903	2,730 4,622	427 429	3, 066 3, 297	3, 493 3, 720	
Other primary metal industries	1960	23, 735	41,092	64, 827	12,701	58, 601	71, 30	
Totals	1961 1960	18, 878 51, 316	31, 108 142, 870	49, 986 194, 186	14, 019 20, 044	59, 585 144, 955	73, 604 164, 99	
	1961	32, 958	93, 657	126, 615	19, 020	134, 909	153, 92	
3. Metal fabricating industries:								
Boiler and plate works	1960 1961	533 201	860 787	1, 393 988	200 182	888 770	1, 08 95	
Fabricated structural metal industry	1960 1961	1, 102 617	4, 160 2, 676	5, 262 3, 293	642 611	3, 647 1, 292	4, 28 1, 90	
Ornamental and architectural metal industry	1960 1961	1, 412 649	2, 136 2, 789	3,548 3,438	740 549	1, 933 1, 631	2, 673 2, 18	
Metal stamping, pressing and coating industry	1960 1961	2,570 2,441	9,079 8,162	11,649 10,603	994 1,039	4, 612 5, 679	5, 60 6, 71	
Wire and wire products manufacturers	1960	2, 353 873	7, 015 3, 924	9, 368 4, 797	1,231 1,103	6, 682 6, 301	7, 91 7, 40	
Hardware, tool and cutlery manufacturers		1, 049 889	3,442 2,858	4,491	312 362	1, 635 1, 644	1, 94 2, 00	
Heating equipment manufacturers		834 455	1,482 1,163	2, 316 1, 618	260 284	1, 330 1, 083	1,59 1,36	
Machine shops		756 466	1, 898 2, 198	2, 654 2, 664	309 331	772 803	1, 08 1, 13	
Miscellaneous metal fabricating industries		1, 695 1, 800	4,408 4,562	6, 103 6, 362	647 737	3, 989 4, 773	4, 63 5, 51	
Totals		12, 304	34, 480	46, 784	5, 335	25, 488	30, 82	
	1961	8, 391	29, 119	37, 510	5, 198	23, 976	29, 17	
4. Machinery industries:								
Agricultural implement industry	1960 1961	1, 793 2, 300	4, 183 5, 482	5, 976 7, 782	3	3 3	4,26 3,59	
Commercial refrigeration and air conditionin equipment manufacturers.	g 1960 1961	476 512	390 339	866 851	3	3	22 22	
Miscellaneous machinery and equipment manufacturers and Office and store machinery manufacturers.		6, 100 2, 757	10, 144 10, 976	16, 244 13, 733	2, 087 1, 942	6,004 5,719	8, 09 7, 66	
Totals	1960 1961	8, 369 5, 569	14, 717 16, 797	23, 086 22, 366	3, 001 2, 845	9, 578 8, 634	12, 57 11, 47	
15. Transportation equipment industries: Aircraft and parts manufacturers	1060	1, 184	£ 010	8, 002	1,397	9 991	A 61	
	1961	1,078	6, 818 6, 004	7, 082	1,576	3, 221 3, 747	4, 61 5, 32	
Motor vehicle manufacturers	1961	10, 026 8, 469	12,327 11,654	22, 353 20, 123	2, 628 2, 478	11, 363 10, 439	13, 99 12, 91	
Truck body and trailer manufacturers	1960 1961	323 198	695 1, 291	1, 018 1, 489	227 205	1, 306 278	1,53 48	
Motor vehicle parts and accessories manufacturer	s 1960 1961	1, 450 735	4, 800 6, 448	6, 250 7, 183	957 1, 100	5,534 6,623	6, 49 7, 72	
Railroad rolling stock industry	1960 1961	989 1, 169	1,751 2,041	2,740 3,210	3, 097 3, 205	6, 074 6, 205	9, 17 9, 41	
Other transportation equipment industries	1960 1961	2, 575 2, 199	5, 622 5, 827	8, 197 8, 026	1, 958 1, 962	3, 616 2, 965	5,57 4,92	
Totals	1960 1961	16, 547 13, 848	32, 013 33, 265	48, 560 47, 113	10, 264 10, 526	31, 114 30, 257	41, 37	

TABLE 14. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Group and by Industry, 1960 and 1961 - Continued

	To do not deal and the second		Capi	tal expenditu	res	Repair expenditures			
	Industrial group, industry and year		Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total	
					\$'	000			
	ctrical products industries:								
M	anufacturers of major appliances (electric and non-electric).	1960 1961	333 815	2,008 2,012	2,341 2,827	634 492	1, 329 1, 436	1, 96 1, 92	
С	communications equipment manufacturers	1960 1961	4, 334 3, 144	9, 033 7, 480	13,367 10,624	752 661	4, 902 4, 631	5, 65 5, 29	
M	anufacturers of electrical industrial equipment	1960 1961	772 813	5,056 5,089	5,828 5,902	1, 194 821	3, 514 3, 613	4,70	
0	ther electrical products industries	1960 1961	2, 148 2, 934	8, 183 7, 725	10, 331 10, 659	1,375 1,368	6, 609 6, 675	7, 98 8, 04	
	Totals	1960 1961	7, 587 7, 706	24, 280 22, 306	31, 867 30, 012	3, 955 3, 342	16, 354 16, 355	20, 30 19, 69	
7. Non	-metallic mineral products manufacturers:								
C	ement manufacturers	1960 1961	2, 727 2, 080	6, 619 3, 840	9, 346 5, 920	564 831	7, 594 8, 598	8, 15 9, 42	
L	ime manufacturers	1960 1961	3 3	3	803 1, 702	\$ 3	3	1, 70	
C	oncret products manufacturers and Ready-mix concrete manufacturers.	1960 1961	2, 023 3, 053	10, 400 11, 393	12, 423 14, 446	1,735 1,493	13, 418 13, 084	15, 1: 14, 5	
C	lay products manufacturers	1960 1961	3 3	3 3	3,866 5,690	3 3	3 3	3, 5, 3, 7;	
G	lass and glass products manufacturers	1960 1961	3,638 1,493	3,803 3,613	7, 441 5, 106	585 588	6, 923 8, 220	7.5	
0	ther non-metallic mineral products industries ⁵	1960 1961	5, 931 3, 233	9, 237 8, 534	15, 168 11, 767	595 679	5, 865 7, 189	6, 4 7, 8	
	Totals	1960 1961	15, 708 11, 819	33, 339 32, 812	49, 047 44, 631	4, 185 4, 304	38, 336 41, 918	42, 53 46, 23	
8. Pet	roleum and coal products industries	1960 1961	52, 017 27, 741	7, 770 4, 008	59, 787 31, 749	26, 057 26, 121	4, 176 4, 374	30, 2: 30, 4:	
9. Che	mical and chemical products industries:		100						
M	anufacturers of mixed fertilizers	1960 1961	918 743	3,309 1,583	4, 227 2, 326	238 344	1,329 2,112	1, 50 2, 4	
M	anufacturers of plastics and synthetic resins	1960 1961	1,495 901	5, 193 8, 427	6, 688 9, 328	531 765	4,429 5,555	4, 9 6, 3	
M	anufacturers of pharmaceuticals and medicines	1960 1961	3, 439 3, 684	3, 496 2, 229	6, 935 5, 913	662 624	1, 396 1, 266	2, 0	
P	aint and varnish manufacturers	1960 1961	456 423	1,521 1,096	1,977 1,519	416 347	995 942	1, 4 1, 2	
M	anufacturers of soap and cleaning compounds	1960 1961	497 314	2,005 1,680	2,502 1,994	392 422	1, 890 1, 902	2, 2 2, 3	
М	anufacturers of industrial chemicals	1960 1961	19, 752 23, 562	49, 018 60, 649	68,770 84,211	7, 451 6, 836	32, 046 33, 212	39, 4 40, 0	
0	ther chemical and chemical products industries	1960 1961	8, 318 5, 880	7,566 14,634	15,884 20,514	1, 171 1, 207	6, 199 4, 853	7, 3 6, 0	
	Totals	1960 1961	34, 875 35, 507	72, 108 90, 298	106, 983 125, 805	10, 861 10, 545	48, 284 49, 842	59, 1 60, 3	
). Mis	cellaneous manufacturing industries:								
S	cientific and professional equipment manu-	1960 1961	1, 196 2, 053	2,542 3,150	3, 738 5, 203	847 947	1, 214 1, 388	2, 0 2, 3	
J	ewellery and silverware manufacturers	1960 1961	S 3	3 3	659 462	3 3	3 3	40	

See footnotes at end of table.

TABLE 14. Capital and Repair Expenditures by the Manufacturing Industries, by Industrial Group and by Industry, 1960 and 19611 - Concluded

		Capi	tal expenditur	es	Rep	air expenditur	es
Industrial group, industry and year		Construction	Machinery and equipment	Total	Construction	Machinery and equipment	Total
20. Miscellaneous manufacturing industries - Concluded:				\$'	000		
Plastic fabricators n.e.s	1960	1, 777	4, 432	6, 209	215	1, 658	1,873
	1961	717	4, 518	5, 235	253	1, 801	2,054
Sporting goods and toy industry	1960	246	1, 734	1, 980	239	682	921
	1961	247	1, 501	1, 748	182	633	815
Signs and displays industry	1960 1961	3	3	2, 164 1, 239	3	3 8	602 522
Other miscellaneous manufacturing industries	1960	2,716	3, 330	6, 046	469	1, 811	2, 280
	1961	1,974	3, 960	5, 934	502	1, 852	2, 354
Totals	1960	7, 140	13, 656	20, 796	2, 224	5, 977	8, 201
	1961	5, 648	14, 173	19, 821	2, 315	6, 329	8, 644
21. Capital items	1960 1961	-	126, 400 124, 000	126, 400 124, 000		_	-
Total manufacturing	1960	335, 252	843, 139	1, 178, 391	125, 896	547, 324	673, 220
	1961	279, 046	805, 902	1, 084, 948	124, 558	558, 662	683, 220

¹ Based on data compiled by the Business Finance Division, Dominion Bureau of Statistics. Expenditures are presented for as many industries as possible within the limits of the Statistics Act and are compiled on the revised (1960) Standard Industrial Classification.

² Poultry processors included with "Fruit and vegetable canners and preservers" in 1960, with "Slaughtering and meat processors" in 1961. The poultry processors industry is not included as a manufacturing industry in other sections of this report.

³ Estimates for both components (construction and machinery and equipment) combined since figures for one or both were not sufficiently significant to be recorded separately.

⁴ Includes Children's clothing industry, Fur goods industry, Hat and cap industry, Foundation garment industry, Fabric glove manufacturers and Miscellaneous clothing in a. S. judiastry.

Miscellaneous clothing (n.e.s.) industry.

Miscellaneous clothing (n.e.s.) industry.

Includes Gypsum products manufacturers, Refractories manufacturers, Stone products manufacturers, Mineral wool manufacturers, Asbestos products manufacturers and Other non-metallic mineral products industries.

SECTION B. VALUE OF MANUFACTURING INVENTORY

Year-end manufacturing inventories as shown in Table 15 for the period 1949 to 1961 contain two breaks in continuitythe first in 1954 when calendar-year data were replaced with company-year data, the second in 1960 when the revised (1960) Standard Industrial Classification was introduced. The change to the company-year basis in 1954 resulted in a drop of 3.6 p.c. in total manufacturing inventories as there is a tendency for many companies whose fiscal year differs from the calendar year to choose a financial year which coincides with comparatively low year-end inventories. Calendar-year inventories for the 1949-1954 period were compiled from a special inventories survey; since 1954, inventory data have been collected on the annual Census of Manufactures as part of the operations of each establishment on its own fiscal year, thereby enabling direct comparisons to be made between inventories and factory shipments.

In addition to providing valuable economic indicators per se, inventory data collected on the annual Census of Manufactures constitute an essential element in deriving "value added". Generally, "value added" is computed by subtracting from the value of factory shipments the cost of raw materials, fuel and electricity and the values of opening inventories of goods in process and finished goods, and adding the values of closing inventories of goods in process and finished goods. However, in certain industries still reporting on a production basis, inventory adjustments are made for goods in process only. This means that "value added" cannot be derived in total by using the inventories shown in Table 16 as the latter are all-inclusive, and not confined to those in-

ventories used in deriving "value added". However, in all tables "value added" has been derived by using the appropriate inventory adjustments and the data are aggregative to any desired level.

The introduction of the revised Standard Industrial Classification in 1960 and new establishment concept in 1961 resulted in less disruption to manufacturing inventories than to most other series of principal statistics, the level of total inventories having been lowered 1.1 p.c. and 0.6 p.c. in 1958 and 1959, respectively, the two years for which data have been re-compiled on the new basis. The relatively small change is due essentially to the fact that most of the establishments transferred out of manufacturing with the introduction of the revised S.I.C. were of the type whose inventories were relatively small or predominantly not of own manufacture.

Manufacturing year-end inventory in 1961 amounted to \$4,534.1 million, consisting of \$1,975.4 million of raw materials and supplies, \$916.3 million of goods in process and \$1,642.4 million of finished goods of own manufacture. Slightly more than half of the total inventories were held by establishments in five industrial groups: food and beverage industries, \$695.2 million; primary metal industries, \$545,3 million; paper and allied industries, \$365.5 million; electrical products industries, \$344.3 million; and transportation equipment industries, \$331.1 million. During the year there was an over-all inventory buildup of \$196.2 million or 4.5 p.c. from the revised opening inventory of \$4,337.8 million.

TABLE 15. Book Value of Manufacturing Inventory Owned in Canada, 1949-61

Year-end ²	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total manufacturing inventory
		\$'00	00,000	
1949	**			2,333.0
1950	1,448.0	472.0	718.0	2,638.0
1951	1,781.0	610.0	999.0	3,390.0
1952	1,817.0	568.0	965.0	3,350.0
1953	1,830.0	613.0	1,076.0	3,519.0
1954	1,592.5	608, 6	1,011.1	3,212.2
1955	1,670.4	706. 4	1,032.2	3,409.0
1956	1,827.0	785.8	1, 208. 7	3,821.5
1957	1,973.0	844.9	1, 155. 1	3,973,0
1958	1,814.3	792.9	1,223.6	3,830,8
1959	1,926.7	873.0	1,302.3	4,102.0
Basis: Revised Standard Industrial Classi	fication and New E	Establishment Conc	cept	
1958	1,825.5	791.0	1,173.4	3,789.9
1959	1,904.7	872.8	1,298.2	4,075.7
1960	1,971.2	820, 6	1,439.5	4,231.3
1961	1,975.4	916.3	1,642.4	4,534.1

Exclusive of goods purchased for resale without further processing.
 Calendar year-end, 1949-53; company year-end, 1954-61.

TABLE 16. Book Value of Manufacturing Inventory Owned in Canada, by Industrial Group, 1961

Industrial group	Raw materials and supplies		Goods in process		Finished goods of own manufacture		Total manufacturing inventory			
	Opening ²	Closing	Opening ²	Closing	Opening ²	Closing	Opening ²	Closing		
	\$,000									
Food and beverage industries	306,700	331,776	148,767	153,663	200,921	209, 803	656,388	695, 242		
Tobacco products industries	23,567	29,081	6,248	4,028	105,773	108,561	135,588	141,670		
Rubber industries	17,087	18, 293	7,841	8,658	78, 231	71,474	103, 159	98, 425		
Leather industries	25,574	28,488	10,434	12,380	21,929	22, 983	57,937	63,851		
Textile industries	64,540	69,582	43,506	45,474	79,596	78,434	187,642	193,490		
Knitting mills	15,164	15,664	11,948	12,604	22,043	22,021	49, 155	50,289		
Clothing industries	78, 184	83,218	18,091	20,314	51,343	55, 199	147,618	158, 731		
Wood industries	80,513	77,357	5,980	5,776	95,843	97,755	182,336	180,888		
Furniture and fixture industries	33,947	36,623	11,731	13,468	14,614	14,461	60,292	64,552		
Paper and allied industries	267, 128	265,543	16, 153	17,017	74,417	82,927	357, 698	365,487		
Printing, publishing and allied industries	32,730	34,082	15,700	15,921	11,989	13, 190	60,419	63, 193		
Primary metal industries	261,560	274,854	83,702	92,104	163, 151	178,366	508,413	545,324		
Metal fabricating industries (except machinery and transportation equipment industries)	153, 141	155,801	79,923	83,215	89,596	88, 943	322,660	327,959		
Machinery industries (except electrical machinery)	69,407	67,386	63,589	63,437	67, 849	68, 927	200,845	199,750		
Transportation equipment industries	109,880	113,391	131,896	157,490	52,373	60, 200	294,149	331,081		
Electrical products industries	85,479	90,624	104,532	118,826	140,325	134,892	330,336	344,342		
Non-metallic mineral products industries	51,142	52,376	8,760	9,275	50,534	53,421	110,436	115,072		
Petroleum and coal products industries	58,987	61,210	20,754	21, 114	114,984	117, 111	194, 725	199,435		
Chemical and chemical products industries	109,049	111,858	35,513	33,693	117,278	124,336	261,840	269, 887		
Miscellaneous manufacturing industries	53,294	58, 161	25,580	27,842	37, 339	39,408	116, 213	125,411		
Totals	1,897,073	1, 975, 368	850, 648	916, 299	1,590,128	1, 642, 412	4,337,849	4,534,079		

Exclusive of goods purchased for resale without further processing.
 The opening inventories of the current year may differ from the closing inventories of the previous year due to the receipt of revised data, the inclusion of new establishments, and the removal of establishments which did not operate during the current year.

SECTION C. EMPLOYMENT IN THE MANUFACTURING INDUSTRIES

The three tables in this section contain details on employment of production workers by month and sex—Table 17, for selected years during the period 1929-61, and Tables 18 and 19 by province and industrial group, respectively, for 1961. It should be noted that the 1960 and 1961 data in Table 17 are not directly comparable with those for preceding years because of the introduction of the revised Standard Industrial Classifica-

tion in 1960 and the New Establishment Concept in 1961. While monthly employment data prior to 1960 have not been revised to give effect to these changes in classification and concept, revised annual data, as shown in the table below, indicate that the decrease for both male and female employment resulting from these changes was generally less than one per cent in the three years, 1957, 1958 and 1959.

Original and Revised Data, Annual Employment of Production Workers in the Manufacturing Industries, 1957-591

Year	Male	Female	Total
957:			
Original	827, 328	217, 849	1,045,177
Revised	819, 499	215, 834	1,035,333
Decrease	7, 829	2,015	9,844
958:			
Original	772, 297	209, 438	981, 735
Revised	764, 869	207, 599	972, 468
Decrease	7, 428	1,839	9, 267
959:			
Original	785, 971	211,936	997, 907
Revised	779,059	209,932	988, 991
Decrease	6, 912	2,004	8,916

¹ Original data based on 1948 Standard Industrial Classification; revised data, on revised (1960) Standard Industrial Classification and New Establishment Concept.

Other changes in concept and in collection, compilation and estimating procedures introduced over the years are summarized in the following paragraphs.

Beginning with 1949, small establishments with a value of production of \$50,000 or less were generally not required to report employment figures. Monthly and annual estimates were, however, made for these establishments so that the published figures represent total employment figures of both large and small establishments. For 1949 to 1957, various methods of estimation of employment in small establishments were used, the method considered most appropriate in each case being used.

In 1958 the method of estimating monthly employment figures for small establishments was standardized for all industries. For that year, small establishments were required to report the number of production workers employed during the last pay period of May. These May figures were used for each month and added to the monthly employment figures reported by large establishments. It is realized that some distortions were introduced by this procedure since there is some variation in the number employed each month by small establishments. However, the distortion in most cases is probably not significant since, for manufacturing as a whole, the number of production workers employed by small establishments in 1958 was only 4.1 per cent of the estimated total for all establishments. (In 1961 the comparable figure was only 2.8 per cent.)

In 1959 and subsequent years, three types of forms have been used in the Census of Manufactures:

- (a) "long" forms, normally used only for large establishments,
- (b) "medium" forms for medium-sized establishments, and
- (c) "short" forms for small establishments.

Establishments receiving long forms are asked to report employment figures for the last pay period in each month while those receiving medium forms report employment figures for the last pay period in March, June, September and December.

In 1959 and 1960 small establishments were not asked to report employment, the number of employees being estimated on the basis of the 1958 figures and change ratios based on the value of factory shipments. In 1961, small establishments were asked to report the average number employed during the year. As in 1959 and 1960, this number was used in compiling total employment for each month by adding it to the monthly figures reported by large establishments and the quarterly figures reported by medium-sized establishments. In the latter case, figures reported for the last month of each quarter were used for the other two months in the quarter. An example of the calculation of the monthly totals for the three sizes of establishment is shown for the total number of male workers in the January-June, 1961, period in the following table:

Male wage-earners employed by	January	February	March	April	May	June
	number					
Large establishments	645,608	647,880	651, 410	659, 250	678, 548	699, 465
Medium-sized establishments	35,099	35,099	35,099	37,099	37,099	37,099
Small establishments	20,410	20,410	20,410	20,410	20,410	20,410
Totals	701, 117	703, 389	706, 919	716, 759	736, 057	756,974

TABLE 17. Production Workers Employed in the Manufacturing Industries, by Month and Sex,

	Selected Years, 1929-61										
Month	1929	1933	1939	1943	1949	1954	1959	1960¹	19612		
				A	ll wage-earn	ers					
January	502,644	340,027	490, 337	1,023,261	928,077	979, 801	958, 200	973, 284	897, 008		
February	519, 423	347,777	496, 160	1,030,878	932,356	985, 063	961, 473	977, 527	900, 710		
March	536, 866	355, 888	503, 475	1,036,648	937,714	989, 350	971, 192	978, 759	904, 140		
April	555, 711	358, 759	509,739	1,033,748	944,307	988, 374	984, 832	981, 242	913, 712		
May	574,905	377,659	530, 864	983,058	961, 137	1, 000, 313	1,010,017	1,002,142	938, 771		
June	575, 693	392, 196	531, 245	1,058,645	973,324	1,011,718	1,033,078	1,016,519	965,021		
July	573, 554	393,464	529, 575	1,056,975	964, 813	1,008,963	1,022,361	999, 523	961, 584		
August	567,022	402, 249	543,605	1,067,890	975, 114	1,008,332	1,026,519	1,010,863	984, 596		
September	564, 796	410,954	562, 355	1,066,595	970,324	1,004,246	1,041,020	1,012,697	989,342		
October	553,338	405, 757	568, 564	1, 053, 486	951,017	986, 369	1,014,283	981,652	969, 247		
November	527, 213	396, 384	563, 117	1,049,738	934,576	961, 505	979, 572	963,481	956, 273		
December	499, 893	380,612	544,817	1,021,630	906, 851	932, 786	960, 420	928, 027	926, 533		
		Male									
January	397, 459	257, 445	381,997	751, 269	716,005	775,348	755, 349	768, 168	701, 117		
February	410, 865	260, 728	395, 955	755, 181	719, 374	778, 646	756, 808	771, 105	703,389		
March	426, 713	267, 259	391,623	757, 702	725, 953	782, 905	765, 495	773,086	706, 919		
April	443,560	271,348	398, 982	755, 888	732, 906	784, 744	779, 574	777, 897	716, 759		
May	459, 783	285, 705	416,963	764, 158	747,614	795, 664	799, 703	794, 169	736, 057		
June	460, 294	296, 937	417,975	776,003	757, 575	804, 702	818, 892	805, 284	756, 974		
July	459,051	300, 329	417, 987	779, 687	750,579	802,063	807, 616	787, 544	749, 906		
August	449, 721	302,969	421, 895	777, 733	747, 518	790, 269	798, 389	787,019	761, 490		
September	441,510	304, 908	431,509	767, 043	739,768	781, 256	812, 915	785,952	761, 148		
October	432, 576	301,315	437, 220	754, 484	725, 853	769, 127	796, 663	766, 201	750, 171		
November	412, 114	294, 945	432, 920	753, 211	715, 188	749, 863	769, 130	752,303	740, 628		
December	391, 903	285,690	422, 538	738, 073	700, 141	736, 203	761, 545	730, 483	723,632		
					Female						
January	105, 185	82, 582	108,340	271, 992	212,072	204, 453	202, 851	205, 116	195, 891		
February	108, 558	87,049	110, 205	275, 697	212, 982	206, 417	204, 665	206, 422	197, 321		
March	110, 153	88, 629	111,852	278, 946	211, 761	206, 445	205, 697	205, 673	197, 221		
April	112, 142	87, 411	110,757	277, 860	211, 401	203,630	205, 258	203,345	196, 953		
May	115, 122	91, 954	113,901	218,900	213,523	204, 648	210, 314	207, 973	202, 714		
June	115,399	95, 259	113, 270	282,642	215, 749	207, 016	214, 186	211, 235	208, 047		
July	114, 503	93, 135	111,588	277, 288	214, 234	206, 900	214,745	211, 979	211, 678		
August	117, 301	99, 280	121,710	290, 157	227, 596	218, 063	228, 130	223, 844	223, 106		
September	123, 286	106,046	130, 846	299, 552	230, 556	222, 990	228, 105	226, 745	228, 194		
October	120, 762	104, 442	131, 344	209, 002	225, 164	217, 242	217, 620	215, 451	219,076		
November	115,099	101, 439	130, 197	296, 527	219,388	211, 642	210, 442	211, 178	215, 645		
December	107, 990	94, 922	122, 279	283, 557	206, 710	196, 583	198, 875	197, 544	202, 901		

Based on revised (1960) Standard Industrial Classification; not directly comparable with previous years; see text.
 Based on revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years; see text.

TABLE 18. Production Workers Employed in the Manufacturing Industries, by Month, Sex and Province, 1961¹

	Male	Female	Total	Male	Female	Total	
		Canada		1	Newfoundland		
Large establishments:			numbe	ī			
January	645, 608	173,371	818, 979	5, 582	548	6, 13	
February March	645, 608 647, 880	174,801 174,701	822,681	5, 793	561	6, 35	
April	651,410 659,250	174, 701 174, 022	826, 111 833, 272	5, 740 5, 958	565	6, 30	
May	678, 548	179,783	858, 331		505	6, 46	
June	699, 465	185, 116	884,581	6, 488 8, 031	1,058	7,099 9,089	
JulyAugust	690,848	185,751	876,599	8,236	1, 154	9,39	
September	702,432	197, 179	899,611	7, 654	914	8, 56	
October	702,090 693,810	202, 267 196, 514	904,357 890,324	7,793 7,048	857 721	8, 65	
November	684, 267	193,083	877, 350	6, 596	591	7,76 7,18	
December	667, 271	180,339	847,610	5, 680	415	6,09	
Medium establishments:							
March	25 000	10.105					
June	35,099 37,099	16, 105 16, 516	51, 204 53, 615	249 288	143	39: 42:	
September	38,648	19,512	58, 160	295	144	43	
December	35,951	16, 147	52,098	268	143	41	
Small establishments:							
Averages	20,410	6,415	26,825	220	48	268	
	Princ	ce Edward Island			Tova Scotia		
Large establishments:			number	11074 50014			
January	40=	1	. 1				
February	465 476	80 85	545 561	14,336 14,158	3,025 2,894	17, 36	
March	503	88	591	13, 192	2,947	17, 05 16, 13	
April	668	130	798	13,606	2,900	16, 50	
May	931	525	1,456	14,821	3, 384	18, 20	
July	943 734	587 377	1,530 1,111	16,657 16,742	3,603 3,641	20, 26 20, 38	
August	802	473	1,275	17,356	3,752	21, 10	
September	775	405	1,180	16, 503	3, 495	19, 99	
October November	666 624	266	932	15,926	3, 485	19, 41	
December	501	187 111	811 612	15, 134 14, 419	3,491 3,098	18,62 17,51	
Medium establishments:							
March June	112 120	42	154	1,339	150	1, 48	
September	199	48 154	168 353	1,379 1,386	155 153	1,53 1,53	
December	156	106	262	1,377	147	1, 52	
mall establishments:							
Averages	97	61	158	906	145	1,05	
	Ne	w Brunswick			Quebec		
arge establishments:			number				
January	11,977	2, 121	14,098	201,716	77,364	279,080	
Februay March	11,915	2,142	14,057	202,993	78,660	281,653	
April	12,093 12,508	1,953 1,835	14,046 14,343	203, 472 205, 942	78, 918 78, 219	282, 390	
May	12,780	3,019	15, 799	212,083	79, 390	284, 16	
June	14, 414	3,619	18,033	217, 111	79, 783	291, 473 296, 894	
July August	14, 547 14, 994	3,255 4,017	17,802 19,011	216,872	79,777	296, 649	
September	14, 485	3, 638		219,851	83, 551	303, 402	
October	14,287	3, 119	18,123 17,406	217,945 216,946	85,065 84,454	303, 010 301, 400	
November December	13,370 12,640	2,610 2,389	15,980	213,977	83, 376	297, 353	
edium establishments:	12,010	2, 309	15,029	209, 340	79, 373	288, 713	
		100					
March	1,026 1,073	133 143	1,159 1,216	12, 456	7, 201	19,657	
September	1,072	182	1,254	13, 271 14, 032	7,311 8,299	20, 582 22, 331	
December	1,047	139	1,186	12,763	7, 203	19,966	
mall establishments:							

¹ See footnote at end of table.

TABLE 18. Production Workers Employed in the Manufacturing Industries, by Month, Sex and Province, 1961° - Concluded

	sex and Flovin	ce, 1901 -	Concinded			
	Male	Female	Total	Male	Female	Total
		Ontario			Manitoba	
Large establishments:			numbe	er		
January February March April	311, 205 311, 370 312, 952 315, 278	75,902 75,600 75,260 75,221	387, 107 386, 970 388, 212 390, 499	20, 153 19, 857 20, 320	6,038 6,174 6,092	26, 191 26, 031 26, 412
May June July August	321,980 328,088 317,839 325,361	77, 259 79, 026 79, 021 84, 682	399,239 407,114 396,860 410,043	20,741 21,454 22,277 22,620 22,464	6,046 6,001 6,229 6,194	26,787 27,455 28,506 28,814
September October November December	331, 230 328, 558 327, 177 321, 602	91,136 87,783 87,619 81,131	422,366 416,341 414,796 402,733	22,503 22,372 21,563 20,617	6,470 6,552 6,531 6,172 5,692	28, 934 29, 055 28, 903 27, 735 26, 309
Medium establishments:						
March	11,789 12,353 13,049 12,116	5,703 5,880 7,396 7,203	17,492 18,233 20,445 17,913	1,214 1,293 1,317 1,196	1,036 1,051 1,042 1,001	2,250 2,344 2,359 2,197
Small establishments: Averages	O FEE					
111111111111111111111111111111111111111	6,756	2,383	9, 139	718	308	1,026
	S	askatchewan			Alberta	
Large establishments:	ł.		numbe	er		
January February March April	5,631 5,635 5,817 5,974	658 650 699 725	6, 289 6, 285 6, 516 6, 699	19,340 19,330 19,658 19,777	2,845 2,996 2,840 2,954	22,185 22,326 22,498 22,731
May June July August	6,358 6,637 6,909 6,753	797 824 841 824	7, 155 7, 461 7, 750 7, 577	20,552 21,484 22,003 22,165	3, 130 3, 363 3, 379 3, 571	23,682 24,847 25,382 25,736
September October November December	6,531 6,351 6,043 5,760	781 745 737 670	7,312 7,096 6,780 6,430	22,071 21,358 20,623 19,641	3,318 3,119 2,954 2,858	25, 389 24, 477 23, 577 22, 499
Medium establishments:						
March June September December	629 695 692 638	137 145 146 143	766 840 838 781	1,718 1,823 1,827 1,801	487 489 509 440	2,205 2,312 2,336 2,241
Small establishments:						
Averages	377	94	471	909	233	1, 142
	Bri	tish Columbia			Northwest Terri	tories
Large establishments:			number			
January February March April	55,177 56,326 57,630 58,753	4,781 5,031 5,331 5,477	59,958 61,357 62,961 64,230	26 27 33 45	9 8 8	35 35 41 55
May June July August	61,048 63,765 64,279 64,959	5,656 7,012 8,101 8,914	66,704 70,777 72,380 73,873	53 58 67 73	11 12 11 11	64 70 78 84
September October November December	62,204 60,255 59,124 57,039	7,010 6,283 5,338 4,594	69, 214 66, 538 64, 462 61, 633	50 43 36 32	10 8 8 8	60 51 44 40
Medium establishments:						
March June September December	4,535 4,772 4,747 4,557	1,071 1,152 1,486 1,027	5,606 5,924 6,233 5,584	32 32 32 32	2 1 1 1	34 33 33 33
Small establishments:	0 515	500	2.044			
Averages	2,515	529	3,044	11	7	. 18

¹ Based on revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years.

TABLE 19. Production Workers Employed in the Manufacturing Industries, by Month, Sex and Industrial Group, 1961

	Male	Female	Total	Male	Female	Total
	Food a	nd beverage ind	ustries	Tobacc	o products indus	stries
Large establishments:	1		numb	er	1	
January February March April May June July August September October November December	73, 735 73, 678 74, 615 76, 687 82, 767 88, 462 93, 291 93, 546 91, 508 86, 100 82, 547 76, 150	22, 418 22, 778 22, 597 22, 770 27, 285 30, 620 32, 622 37, 733 38, 799 32, 078 29, 993 23, 480	96, 153 96, 456 97, 212 99, 457 110, 052 119, 082 125, 913 131, 279 130, 307 118, 178 112, 540 99, 630	5, 735 5, 259 3, 962 3, 126 3, 073 3, 117 3, 084 3, 075 3, 133 3, 097 3, 542 4, 818	5, 196 4, 827 4, 118 3, 796 3, 750 3, 952 3, 980 3, 790 3, 850 3, 803 3, 901 4, 533	10,931 10,086 8,080 6,922 6,823 7,069 7,064 6,865 6,983 6,900 7,443 9,351
Medium establishments: March June September December	5,606 6,109 7,117 5,866	2,597 2,938 5,831 2,960	8, 203 9, 047 121, 498 8, 826	=	Ξ	=======================================
Small establishments: Averages	3,372	1,388	4,760	_	_	_
	l	ubber industrie	s	Te	eather industries	
***************************************			ber			
Large establishments: January February March April May June July August September October November December	10,858 10,752 10,749 11,038 11,321 11,563 11,598 11,711 11,855 11,914 11,734	2,668 2,612 2,621 2,720 2,872 2,961 2,885 2,980 3,112 3,185 3,057 2,820	13, 526 13, 364 13, 370 13, 758 14, 193 14, 524 14, 483 14, 691 14, 967 15, 099 14, 791 14, 284	12, 200 12, 264 12, 351 12, 102 12, 122 12, 300 12, 144 12, 556 12, 547 12, 386 12, 801 12, 470	10, 455 10, 684 10, 728 10, 371 10, 526 10, 655 10, 780 11, 048 11, 177 10, 982 11, 134 10, 762	22,655 22,948 23,079 22,473 22,648 22,955 22,924 23,604 23,724 23,368 23,935 23,232
Medium establishments: March June September December	=======================================	=		2,141 2,146 2,200 2,054	2,092 2,105 2,132 2,115	4,233 4,251 4,332 4,169
Small establishments: Averages	_	_	_	61	51	112
	Т	extile industries	s		Knitting mills	
			numb			
Large establishments: January Pebruary March April May June July August September October November December	31, 654 31, 681 31, 698 31, 809 32, 223 32, 756 32, 303 33, 110 33, 309 33, 468 33, 565 33, 103	15, 959 16, 089 16, 097 16, 291 16, 529 16, 697 16, 248 16, 756 17, 211 17, 413 17, 433 16, 781	47, 613 47, 770 47, 795 48, 100 48, 752 49, 453 48, 551 49, 866 50, 520 50, 881 50, 998 49, 884	5, 423 5, 484 5, 435 5, 341 5, 386 5, 525 5, 493 5, 722 5, 718 5, 714 5, 840 5, 667	11, 919 12, 154 12, 121 11, 768 11, 744 12, 041 11, 869 12, 496 12, 845 12, 860 12, 902 12, 431	17,342 17,638 17,556 17,109 17,130 17,566 17,362 18,218 18,563 18,574 18,742 18,098
Medium establishments: March June September December	343 404 391 358	478 550 543 493	821 954 934 851	= = =	-	= =
Small establishments: Averages	148	225	. 373	214	692	906

TABLE 19. Production Workers Employed in the Manufacturing Industries, by Month, Sex and Industrial Group, 1961¹ - Continued

	Male	Female	Total	Male	Female	Total	
	Cl	othing industries			Vood industries		
Large establishments:		1	numb	er			
January February March April	16, 387 16, 764 16, 831 16, 320	47, 148 48, 000 48, 265 47, 517	63, 535 64, 764 65, 096 63, 837	43,568 44,282 45,589 46,525	2, 343 2, 403 2, 441 2, 553	45, 911 46, 685 48, 030 49, 078	
May June July August	15,941 16,367 16,759 17,228	47,025 46,992 46,786 49,001	62, 966 63, 359 63, 545 66, 229	49, 942 52, 368 53, 158 52, 889	2,591 2,641 2,598 2,606	52, 533 55, 009 55, 756 55, 495	
September October November December	17, 242 16, 883 16, 309 16, 190	49, 985 49, 956 48, 750 46, 794	67, 227 66, 839 65, 059 62, 984	50, 907 48, 729 47, 320 45, 456	2,545 2,552 2,513 2,380	53, 452 51, 281 49, 833 47, 836	
Medium establishments:							
March June September December	2, 805 2, 694 2, 902 2, 646	7,499 7,331 7,906 7,057	10, 304 10, 025 10, 808 9, 703	10,344 11,033 11,106 10,654	159 171 172 170	10,503 11,204 11,278 10,824	
Small establishments: Averages	383	1,653	2,036	5, 791	100	5,891	
	Furniture	and fixture indu	stries	Paper and allied industries			
Large establishments:			numbe	per			
January February March	18, 110 18, 053 18, 058	2, 240 2, 273 2, 265 2, 278	20, 350 20, 326 20, 323	64, 083 63, 597 63, 591	6, 393 6, 361 6, 667	70, 476 69, 958 70, 258	
April May June	18, 295 18, 603	2, 295	20, 573	64, 900 66, 622	6,699 6,846	71, 599 73, 468 75, 944	
July August	18, 779 18, 544 19, 236	2, 292 2, 252 2, 299	21, 071 20, 796 21, 535	68, 972 69, 536 70, 030	6, 972 6, 846 7, 108	76,382 77,138	
September October November December	19, 413 19, 533 19, 318 18, 846	2, 402 2, 475 2, 420 2, 321	21, 815 22, 008 21, 738 21, 167	69,548 68,306 66,927 66,067	7, 239 7, 189 7, 051 6, 683	76, 787 75, 495 73, 978 72, 750	
Medium establishments:							
March June September December	4,036 4,296 4,495 4,342	462 477 488 481	4,498 4,773 4,983 4,823	849 893 894 905	716 754 672 682	1,565 1,647 1,566 1,587	
Small establishments: Averages	879	109	988	384	464	848	
	Printing, publi	shing and allied	industries	Prima	ry metal industri	es	
			numbe				
Large establishments: January	27, 038	6,750	33,788	65, 272	630	65,902	
February	27, 038 27, 105 27, 264 27, 229	6, 593 6, 658 6, 661	33,698 33,922 33,890	65, 490 66, 898 67, 599	644 654 638	66, 134 67, 552 68, 237	
May June July August	27, 152 27, 218 26, 989 27, 053	6, 733 6, 780 6, 683 6, 898	33, 885 33, 998 33, 672 33, 951	69, 149 70, 528 69, 984 71, 152	625 639 619 685	69,774 71,167 70,603 71,837	
September October November December	27, 461 27, 505 27, 502 27, 183	7, 122 7, 039 7, 012 6, 811	34,583 34,544 34,514 33,994	70, 842 69, 333 67, 685 66, 540	705 734 758 736	71,547 70,067 68,443 67,276	
fedium establishments:	4,351	1, 146	5,497				
March June September December	4, 402 4, 357 4, 334	1, 153 1, 172 1, 169	5, 555 5, 529 5, 503	-	=	=	
Small establishments: Averages	3,193	785	3,978	251	16	267	

TABLE 19. Production Workers Employed in the Manufacturing Industries, by Month, Sex and Industrial Group, 1961:—Continued

	Male	Female	Total	Male	Female	Total
	Metal fabricatin and transpor	g industries (ex tation equipmen	t industries)		ndustries (except	t electrical
Large establishments:			num	ber		
January February March April	56, 451 56, 223 56, 198 57, 439	4,392 4,313 4,375 4,473	60,843 60,536 60,573 61,912	27, 101 27, 231 27, 794 27, 995	1, 163 1, 178 1, 197 1, 193	28, 264 28, 409 28, 991 29, 188
May June July	58,896 61,047 60,833 61,892	4,547 4,675 4,694 4,815	63,443 65,722 65,527 66,707	27,606 28,079 27,293 24,236	1,190 1,204 1,205 1,239	28, 796 29, 283 28, 498 25, 475
August September October November December	61,589 60,465 59,808 57,368	4,936 4,987 4,997 4,787	66, 525 65, 452 64, 805 62, 155	25, 051 26, 183 26, 892 27, 015	1,221 1,236 1,230 1,225	26, 272 27, 419 28, 122 28, 240
Medium establishments:						
March June September December	2,260 2,568 2,656 2,379	142 150 172 156	2,402 2,718 2,828 2,535	-	=	=
Small establishments:						
Averages	2,968	187	3,155	-		
	Transporta	tion equipment			cal products indu	ustries
Large establishments:	į.		numb		1	
January February March April	76, 992 78, 587 78, 016 77, 949	3,109 3,017 3,003 2,945	80,101 81,604 81,019 80,894	34,878 35,240 35,444 35,677	14, 137 14, 158 14, 118 14, 266	49,015 49,398 49,562 49,943
May June July August	79,087 81,111 68,981 76,781	2,933 2,783 2,333 2,784	82,020 83,894 71,314 79,565	36, 201 37, 199 36, 732 37, 650	14,782 15,312 15,342 16,033	50, 983 52, 511 52, 074 53, 683
September October November December	79,628 82,421 83,036 82,369	3,061 3,274 3,278 3,314	82,689 85,695 86,314 85,683	38,800 38,830 38,720 38,149	16,756 17,057 17,243 16,806	55, 556 55, 887 55, 963 54, 955
Medium establishments:			_	_	_	_
June September December		=	=	=	=	=
Small establishments:						
Averages	_		****			
	Non-metallic	mineral product	s industries		and coal products	industries
Large establishments:	02 651	1 7/1		1	50	77.77.54
January February March April	23,651 23,459 23,880 25,399	1,741 1,767 1,825 1,937	25, 392 25, 226 25, 705 27, 336	7,702 7,693 7,727 7,840	52 51 51 53	7,754 7,744 7,778 7,893
May June July August	27, 530 28, 901 29, 111 29, 533	2,051 2,124 2,084 2,220	29,581 31,025 31,195 31,753	7,980 8,032 8,035 7,970	54 53 52 53	8, 034 8, 085 8, 087 8, 023
September October November December	28, 940 28, 494 26, 737 25, 368	2,009 2,151 2,115 2,117	30,949 30,645 28,852 27,485	7, 731 7, 634 7, 519 7, 397	51 48 48 48	7, 782 7, 682 7, 567 7, 445
Medium establishments:						
March June September December	461 518 517 480	95 112 104 108	556 630 621 588	= = = = = = = = = = = = = = = = = = = =		Ξ
Small establishments:						
Averages	1,073	24	1,097	-		_

TABLE 19. Production Workers Employed in the Manufacturing Industries, by Month, Sex and Industrial Group, 1961¹ — Concluded

	Male	Female	Total	Male	Female	Total	
	Chemical and	chemical produc	cts industries	Miscellaneous manufacturing industries			
			num	ber			
Large establishments:				I	1		
January Pebruary March April	25, 128 25, 140 25, 265 25, 809	4,518 4,697 4,684 4,813	29,646 29,837 29,949 30,622	19,642 19,898 20,045 20,171	10, 140 10, 202 10, 216 10, 280	29,782 30,100 30,261 30,451	
May June July August	26, 414 26, 371 26, 452 26, 248	4,898 5,011 4,905 4,910	31,312 31,382 31,357 31,158	20,533 20,770 20,528 20,814	10,507 10,712 10,968 11,725	31,040 31,482 31,496 32,539	
September	25, 930 25, 848 25, 516 25, 319	5,042 5,011 4,886 4,681	30, 972 30, 859 30, 402 30, 000	20, 938 20, 967 20, 949 20, 332	12, 199 12, 484 12, 362 10, 829	33, 137 33, 451 33, 311 31, 161	
Medium establishments:							
March June September December	141 148 135 132	57 56 55 42	198 204 190 174	1,762 1,888 1,878 1,801	662 719 715 714	2,424 2,607 2,593 2,515	
Small establishments:							
Averages	663	329	992	1,030	392	1, 422	

¹ Based on revised (1960) Standard Industrial classification and New Establishment Concept; not directly comparable with previous years.

SECTION D. SALARIES AND WAGES IN THE MANUFACTURING INDUSTRIES

Note: Several tables formerly included in this section of previous General Reviews (e.g. Subsection 5 of the 1960 General Review beginning on page 80) do not appear in this issue because the survey on which they were based was not conducted in 1961 by the Bureau's Labour Division. The tables in the 1960 General Review thus affected are numbers 41 to 52 inclusive. For a more detailed account of the coverage of this survey in 1960 and earlier years, see the section ''Data Not Available Because of Suspension of Surveys'' on page 11 of this review. The survey on earnings and hours of work in larger manufacturing establishments was resumed in 1963, and readers may obtain information on its results by referring to the DBS report Earnings and Hours of Work in Manufacturing 1963 (Catalogue No. 72-204).

Although the total number of employees in the manufacturing industries declined from 1,275,476 in 1960 to 1,264,946 in 1961 total salaries and wages, at \$5,231,447,000, were 1.6 per cent higher. Average annual salaries for the 295,670 administrative and office employees increased by 2.8 per cent from the revised 1960 figure of \$5,217 to \$5,362 in 1961, while average annual wages for the 969,276 production workers, at \$3,762, were up by 2.5 per cent over the revised 1960 figure of \$3,669. The 1961 averages represented gains of 63 per cent and 55 per cent, respectively, over the averages of \$3,296 and \$2,434 in 1951. The distribution of employment between administrative and office employees and production workers, at 23.4 per cent and 76.6 per cent, respectively, was practically unchanged from 1960.

For administrative and office employees, the highest average salaries in 1961 were realized in Ontario, at \$5,513, followed by British Columbia, at \$5,471, and Quebec, at \$5,336. The petroleum and coal products group continued to pay the highest average salaries, at \$6,728, followed by the paper and allied industries with \$6,316 and the primary metal industries with \$6,266. The lowest average salaries, \$4,350, were realized in the wood industries. Almost half (49.4 per cent) of the male, and over half (52.7 per cent) of the female, administrative and office employees were in Ontario. On an industry basis, the

foods and beverage industries provided employment for the largest numbers of both males and females, at 27,020 and 11,548, respectively.

For production workers, the highest average wages, \$4,919, were paid in the Yukon and Northwest Territories. However, the relatively high wages paid there are not representative because of the small number of workers involved and various inducements necessary to attract workers to industries operating under unusual conditions. Except for this group, the highest average wages were paid to production workers in British Columbia (\$4,260), followed by Ontario (\$4,015), Alberta (\$3,882) and Saskatchewan (\$3,873). In common with administrative and office employees, production workers in the petro-leum and coal products industries received the highest average wages of any group, at \$5,551. Other leading groups were the primary metal industries (\$4,991), the paper and allied industries (\$4,635), and the transportation equipment industries (\$4,502).

Ontario had the largest number of male production workers, accounting for 46.4 per cent of the Canadian total, but Quebec had slightly more female production workers. On an industry basis, the food and beverage industries provided employment for the largest number of male production workers, at 114,086, while the clothing industries provided the largest number for females, at 57,212. This latter group, together with the textile industries and knitting mills, provided employment in 1961 for 41 per cent of all female production workers.

The remaining tables in this section provide additional data on salaries and wages: Table 22 on annual salaries and wages in the forty leading industries, ranked by average wages paid to production workers in 1961; and Tables 23 and 24 on the relation of salaries and wages paid to value added, for selected years in the 1917-61 period, and for industrial groups in 1961, respectively. For identification of the forty leading industries, ranked by total salaries and wages paid, see Table 47 in Part IV, Section D.

TABLE 20. Annual Salaries and Wages in the Manufacturing Industries, Selected Years, 1917-61

	Adı	ministrative a	nd office employe	es¹		Product	ion workers2	
	Male	Female	Total salaries	Average annual salaries	Male	Female	Total wages	Average annual wages
	nu	mber	dollar	S	num	ber	dollar	S
1917	64,	918	85, 353, 667	1,315	541,	605	412, 448, 177	762
1920		334	141, 837, 361	1,811	520,		575, 656, 515	1, 106
1922		586	129,836,831	1,814	384,	670	359, 560, 399	935
1924	54,379	15,641	130, 344, 822	1,862	322, 719	94,871	404, 122, 853	968
1926²	58, 245	17,092	142,353,900	1,890	374,244	109,580	483,328,342	999
1929²	67, 731	21,110	175, 553, 710	1,976	454,768	122,922	601,737,507	1,042
1930²	64, 161	20,550	169, 992, 216	2,007	416,790	113,195	527, 563, 162	995
19311	71, 198	20, 293	172, 289, 095	1,883	337,636	99,513	415, 277, 895	950
1932	68, 264	18,786	151, 355, 790	1,739	288, 817	92, 966	322, 245, 926	844
1933	67,875	18,761	139, 317, 946	1,608	287, 266	94,756	296, 929, 878	777
1934	71, 963	20,132	148, 760, 126	1,615	326,598	101,119	355,090,929	83 (
935	76, 213	21,717	160, 455, 080	1,638	353,790	104, 944	399,012,697	870
936	81, 409	23, 008	173, 198, 057	1,659	379, 977	109,965	438,873,377	896
937	91,092	24,735	195, 983, 475	1,692	427, 285	117,339	525, 743, 562	96
938	95, 270	25,319	207, 386, 381	1,719	409,172	112,255	498, 282, 208	950
.939	98,165	26,607	217, 839, 334	1,746	415,488	117,854	519, 971, 819	97
.940	104, 267	31,493	241,599,761	1,780	491,439	135, 045	679, 273, 104	1,08
941	117, 251	41,693	286, 336, 861	1,801	626, 825	175,409	978, 525, 782	1,220
942	123, 125	54,062	334, 870, 793	1,890	732,319	242,585	1, 347, 934, 049	1,38
943	128, 679	64, 516	388,857,505	2,013	762,854	285,019	1,598,434,879	1,52
944	126, 858	65,700	418, 065, 594	2,171	744, 635	285,689	1,611,555,776	1,56
945	128,601	62,106	417, 857, 619	2,191	680,620	248,045	1,427,915,830	1,53
946	127,002	54,004	410, 875, 776	2,270	662,699	214,451	1,329,811,478	1,51
947	135, 248	55,852	474,693,800	2,484	721,407	219, 243	1,611,232,166	1,71
948	141,038	57, 192	532,594,959	2,687	738,721	218,770	1,876,773,231	1,96
949	157, 516	64, 035	628, 427, 937	2,836	732,457	217, 199	1,963,462,720	2,06
950	164, 475	66,578	692,633,349	2, 998	736, 477	215,767	2,078,634,086	2,18
951	176,943	70, 844	816, 714, 604	3,296	792,394	218, 194	2,459,566,313	2, 43
952	188, 235	74,792	923, 905, 251	3,513	810,060	215, 295	2,713,714,909	2,64
953	195, 843	78,382	1,016,679,409	3,707	828,363	224, 863	2,940,338,939	2,79
954	199, 763	79, 173	1,075,101,215	3, 854	779,955	209,075	2, 821, 586, 476	2, 85
955	206, 881	80,588	1, 147, 142, 086	3,990	796, 721	214, 271	2,995,267,448	2, 96
956	216, 295	85,002	1, 272, 025, 985	4,222	831, 336	220, 387	3, 298, 666, 205	3, 13
9573	220,310	85, 305	1,386,236,109	4,536	819, 499	215,834	3,391,803,438	3,27
958³	216, 238	83, 980	1,452,639,112	4,839	764, 869	207, 599	3, 305, 975, 319	3,40
959³	215, 513	83,305	1, 512, 529, 222	5,062	779,059	209,932	3,517,598,977	3,55
	219, 866	84,000	1,585,379,151	5,217	764,691	206,919	3,565,123,889	3,669
9613	213,798	81,872	1,585,333,662	5,362	758, 195	211,081	3,646,113,307	3,762

¹ The increase in the number of office employees in 1931 is due to the following changes in method: 1. Prior to 1931 working proprietors, such as bakers, sawmill operators, small clothing manufacturers, etc., were considered as production workers. In 1931 and subsequent years, however, all such proprietors were considered as office employees. 2. In 1931 travelling salesmen who were attached to the plant, and devoted all or the greater part of their time to selling the products of that plant, were included with office employees. Prior to this they were not reported at all.

² With the exception of changes resulting from the introduction of the revised (1960) Standard Industrial Classification and New Establishment Concept (1957-61), the numbers and average wages of production workers for the years 1931 to 1961 are directly comparable with those for years up to 1925 but not with those for the intervening years. The figures for the latest years, as for the earliest, represent equivalent full-time (12-month) employment. For the period 1925-30, the annual averages were derived by averaging only those months for which employment was reported. However, the difference amounts to only 3 or 4 per cent in the total figures and chieffy affects the seasonal industries.
³ Based on revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with 1956 and earlier years.

TABLE 21. Number of Employees and Annual Total and Average Salaries and Wages in the Manufacturing Industries, by Province and Industrial Group, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept

	Adn	ninistrative	and office employe	ees		Produc	ction workers	
Province and group	Male	Female	Total salaries	Average annual salaries	Male	Female	Total wages	Average annual wages
	num	ber	dollar	S	num	ber	dollar	S
Province								
Newfoundland	1, 383	307	8,002,591	4,735	7,307	899	27, 967, 214	3,40
Prince Edward Island	294	76	1, 194, 429	3, 228	971	383	3,013,045	2, 22
Iova Scotia	3,631	1.132	20, 311, 068	4, 264	18, 378	3,660	68, 608, 188	3, 11
New Brunswick	2, 782	975	16, 067, 044	4, 277	15,553	3, 133	57, 825, 324	3, 09
Quebec	68, 960	25, 574	504, 204, 417	5,336	237, 958	91, 237	1, 122, 367, 772	3, 40
Ontario	105, 535	43, 164	819, 754, 354	5,513	351, 838	90, 878	1, 777, 653, 895	4.01
Ianitoba	6,672	2, 428	44, 065, 579	4, 842	24,470	7,642	113, 236, 781	3, 52
askatchewan	2, 258	909	14, 156, 325	4, 470	7,910	1,072	34, 791, 437	3, 87
lberta	6, 854	2,232	45, 414, 125	4,998	24, 806	4.029	111, 934, 359	3, 88
British Columbia	15, 406	5, 067	112, 008, 822	5, 471	68, 916	8, 129	328, 188, 954	4, 26
Zukon and Northwest Territories	23	8	154, 908	4, 997	88	19	526, 338	4, 20
								-
Canada	213, 798	81, 872	1, 585, 333, 662	5, 362	758, 195	211, 081	3, 646, 113, 307	3, 76
Industrial group								
ood and beverage industries	27, 020	11,548	185, 512, 129	4,810	114,086	36, 201	502, 483, 844	3,34
obacco products industries	1,007	557	9,070,524	5,800	3,752	4, 126	30,083,354	3, 81
ubber industries	3,300	1, 298	24, 226, 119	5, 269	11,386	2,876	57, 777, 666	4,05
eather industries	2,550	1, 334	18, 742, 890	4,831	14,569	12,960	70, 831, 353	2,57
'extile industries	8, 267	3, 784	61,965,813	5, 142	33, 101	17,392	150, 591, 976	2, 98
nitting mills	1,552	1, 140	12, 532, 781	4,656	5,805	12,962	44, 936, 601	2,39
Clothing industries	6,312	4, 383	53,466,318	4,999	19,821	57,212	180, 922, 161	2,34
ood industries	10,342	2,019	53, 768, 915	4,350	64,497	2,734	226, 561, 789	3,34
urniture and fixture industries	4, 629	1,633	28, 986, 091	4,630	23,968	2,923	83, 459, 582	3, 10
aper and allied industries	13, 874	4,822	118,076,480	6,316	65,151	8,015	353,060,685	4,63
rinting, publishing and allied indus-	18, 160	10,974	139, 940, 194	4, 797	34,851	8, 794	189, 960, 676	4.30
rimary metal industries		3, 217	109, 065, 905		69, 133	699		
tetal fabricating industries (except machinery and transportation equip-	14, 189	3, 211	109,000,900	6, 266	09, 133	099	348, 553, 446	4,99
ment industries)	17, 965	5,971	127, 372, 439	5,321	65,579	5,096	294, 543, 505	4, 16
cal machinery)	10, 595	3,408	74, 608, 704	5,328	26,873	1,207	120, 997, 741	4,30
ransportation equipment industries	20,645	5,332	154, 476, 284	5,947	78, 745	2,987	367, 994, 063	4,50
lectrical products industries	20,497	6,524	150, 566, 765	5,572	36, 983	15,527	203,001,314	3, 86
on-metallic mineral products indus- tries	6,607	1,870	44, 615, 733	5, 263	29,500	2, 151	129, 471, 453	4, 09
etroleum and coal products indus-	4,831	1, 399	41, 915, 843	6, 728	7,771	52	43,424,021	5,55
hemical and chemical products in-	13, 673	6, 668	116, 724, 359	5,738	26,606	5, 220	137, 279, 934	4,31
discellaneous manufacturing indus-	7, 783	3,991	59, 699, 376	5,070	22,568	11,947	112, 178, 143	3, 25

Average Annual Salaries and Wages in the Forty Leading Industries

In ranking manufacturing industries by average annual salaries and wages, a wide range of choices is available, the more obvious being average annual salaries paid to administrative and office workers, average annual wages paid to production and related workers, and average annual salaries and wages paid to all employees. The choice of universe is even wider, including, on the one hand, all industries or, on the other, only those with the highest aggregates in any one of salaries, wages, salaries and wages combined, employment or other principal statistics, Although any of these combinations may be used, Table 22 and the following analysis are restricted to the forty leading industries ranked by average annual wages paid to production workers. As a matter of interest, only 18 of the 40 leading industries ranked by total salaries and wages, to use

only one of many criteria, are included in the leading forty industries when ranked by average annual wages paid to production workers.

In 1961, production workers in the petroleum refining industry retained their position as the highest paid group, averaging \$5,642 as compared with \$5,554 in 1960. Production workers in ten other industries averaged over \$5,000; in 15 others, from \$4,500 to \$4,999; and in 14 others of the 40 leading industries, between \$4,230 and \$4,499. An additional 16 industries averaged between \$4,000 and \$4,229, making 56 industries in all with average annual wages in excess of \$4,000.

The forty leading industries paying the highest annual average wages were dominated by those in the primary metal, metal fabricating, machinery, transportation equipment, electrical products, non-metallic mineral products, petroleum and coal

products, and chemical products groups; i.e., by those capitalintensive industries requiring a generally high degree of technical competence in complex operations. In addition, there
were several industries such as engraving and duplicate plates,
trade composition or typesetting, printing and publishing, and
model and pattern manufacturing employing a high proportion of
skilled craftsmen and technicians. Average annual wages paid
to production workers in the forty leading industries combined
were \$4,805 as compared with \$3,219 in the remaining industries and \$3,762 for all industries. Comparable salaries paid to
administrative and office workers were \$5,889, \$4,969 and
\$5,362, respectively.

Only 12 of the 31 industries employing 10,000 or more production workers were included in the group of 40 paying the highest average annual wages; 22 of the 40 employed less than 5,000 employees each, of which seven had less than 1,000 each. One characteristic that most of the industries in the group have in common is the relatively small proportion of female production workers. Although there is considerable variation from industry to industry, female employees accounted for only 5.6 per cent of total production workers in this group as against 30.2 per cent for the remaining industries and 21.8 for all industries. Comparable proportions for administrative and office workers were 24.5, 30.1, and 27.7 per cent, respectively.

TABLE 22. Number of Employees and Annual Total and Average Salaries and Wages in the Forty Leading Industries ranked by
Average Wages Paid to Production Workers, 1961

			Admin	istrative a	nd office emp	oloyees		Product	tion workers	
Rank	S.I.C. Code	Industry	Male	Female	Total salaries	Annual average salary	Male	Female	Total wages	Annual average wages
			nur	nber	\$'000	\$	nu	mber	\$'000	\$
1	3651	Petroleum refining	4,629	1,336	40,497	6.789	7,218	52	41 010	F 040
2	292	Steel pipe and tube mills		114	3,924	6,074	2,574	13	13,882	5, 642
3	291	Iron and steel mills	4, 814	1,213	40,170	6,665	28, 344	175	152,942	5,363
4	2871	Engraving and duplicate plates	715	326	6, 116	5,876	2,663	398	16,360	5,345
5	323	Motor vehicle manufacturers	4,353	1,190	36, 257	6,541	15,799	331	84, 681	5, 250
6	378	Manufacturers of industrial chemicals	4,211	1,149	33,354	6,222	10,770	61	56,010	5, 171
7	373	Manufacturers of plastics and synthetic resins.	1,045	320	8, 416	6,166	1,921	39	10,090	5, 148
8	271	Pulp and paper mills	9,587	2,784	83,936	6,785	52,384	1,044	271, 234	5, 077
9	2872	Trade composition or typesetting	198	66	1,743	6, 603	906	17	4, 684	5, 075
10	341	Cement manufacturers	473	83	3,774	6,788	2,555	2	12, 922	5, 054
11	295	Smelting and refining	5, 135	647	37, 416	6,471	23,463	45	118,532	5, 042
12	145	Breweries	1,551	457	13,322	6,634	5,576	39	27, 560	4,908
13	163	Rubber tire and tube manufacturers	1,432	504	10,772	5, 564	5,328	238	27, 241	4, 894
14	357	Abrasives manufacturers	432	147	3,480	6,012	1,643	93	8,318	4, 792
15	376	Manufacturers of soap and cleaning compounds	1,246	511	10,572	6,017	1,944	444	11,286	4,726
16	289	Printing and publishing	9,839	5,668	73,948	4,768	13,814	1,960	73,920	4,686
17	318	Office and store machinery manufacturers	707	380	5,640	5,188	1,925	420	10,952	4,670
18	302	Fabricated structural metal industry	3,020	645	21,145	5,770	10,080	44	47, 264	4,669
19	297	Copper and alloy rolling, casting and extruding	584	147	3,980	5,446	2,695	15	12,492	4,610
20	348	Ready-mix concrete manufacturers	702	181	4,655	5,272	3,177	11	14,679	4,605
21	354	Mineral wool manufacturers	260	82	1,995	5, 834	629	_	2,882	4, 582
22	321	Aircraft and parts manufacturers	7,001	2,132	54,104	5, 924	18,858	395	87, 825	4, 562
23	325	Motor vehicle parts and accessories manufac-					,		01,020	2,002
		turers	3,923	999	30,618	6,220	13,800	2,098	72,384	4,552
24	355	Asbestos products manufacturers	326	151	2,758	5,782	1,518	106	7,377	4,543
25	338	Manufacturers of electric wire and cable	1,542	403	10,578	5,438	4,190	213	19,888	4,517
26	3652	Manufacturers of lubricating oils and greases	63	27	484	5,386	186	_	839	4,512
27	143	Distilleries	854	440	7,440	5,749	2,108	921	13,562	4.477
28	311	Agricultural implement industry	2,812	671	18, 543	5,324	6,950	54	30,995	4,425
30		Wire and wire products manufacturers	2,090	823	16,752	5,750	8,234	848	40,106	4,416
1	336	Manufacturers of electrical industrial equipment	4,982	1,481	37,160	5, 750	8,324	1,617	43,786	4,404
31	2511	Shingle mills	87	31	557	4,724	1,270	8	5,610	4,390
33	3985	Metal stamping, pressing and coating industry Model and pattern manufacturers	3,108	1,268	23,218	5,306	12,651	1,557	61,758	4,347
34	296		166	68	1,222	5,221	662	96	3,282	4,329
35	369	Aluminum rolling, casting and extruding Other petroleum and coal products industries	1,463	652	12,212	5,774	3,636	142	16,324	4,321
36	343		139	36	934	5,338	367	-	1,566	4,266
37	125	Lime manufacturers	89	16	504	4,802	720	-	3,065	4,257
38	3791	Breakfast cereal manufacturers Manufacturers of printing inks	190	123	1,715	5,480	775	383	4,914	4,244
39	315	Miscellaneous machinery and equipment manu-	221	120.	1,948	5,714	626	4	2,674	4,244
30	010	facturers	6,755	2, 256	48,190	5,348	16,881	718	74, 557	4,236
40	1011	Slaughtering and meat packing plants	4,034	1,271	29, 299	5,522	15, 988	3, 782	83,626	4,230
		Totals, forty leading industries	95, 310	30, 918	743, 348	5, 889	313, 152	18, 383	1, 593, 088	4, 805
		Totals, other industries	118, 488	50, 954	841, 986	4, 969	445,043	192, 698	2, 053, 025	3,219
		Totals, all industries	213, 798	81, 872	1, 585, 334	5, 362	758, 195	211,081	3, 646, 113	3, 762

TABLE 23. Relation of Salaries and Wages Paid to the Total Value Added by Manufacture, Selected Years, 1917-61

	Value		Salaries and wage	es		Proportion of value added represented by salaries and wages			
Year	added by manufacture ¹	Adminis- trative and office workers	Production workers	Total employees	Adminis- trative and office employees	Production workers	Total employees		
		doll	ars			per cent			
1917 1920 1921 1921 1926 1929	1, 281, 131, 980 1, 621, 273, 348 1, 123, 694, 263 1, 305, 168, 549 1, 755, 386, 937	85, 353, 667 141, 837, 361 130, 094, 076 142, 353, 900 175, 553, 710	412, 448, 177 575, 656, 515 367, 305, 685 483, 328, 342 601, 737, 507	497, 801, 844 717, 493, 876 497, 399, 761 625, 682, 242 777, 291, 217	6.7 8.7 11.6 10.9	32.2 35.5 32.7 37.0 34.3	38.9 44.2 44.3 47.9 44.3		
1933 1937 1939 1944 1945	919, 671, 181 1, 508, 924, 867 1, 531, 051, 901 4, 015, 776, 010 3, 564, 315, 899	139, 317, 946 195, 983, 475 217, 839, 334 418, 065, 594 417, 857, 619	296, 929, 878 525, 743, 562 519, 971, 819 1, 611, 555, 776 1, 427, 915, 830	436, 247, 824 721, 727, 037 737, 811, 153 2, 029, 621, 370 1, 845, 773, 449	15. 1 13. 0 14. 2 10. 4 11. 7	32.3 34.8 34.0 40.2 40.1	47. 4 47. 8 48. 2 50. 6 51. 8		
1946 1947 1948 1949 1950	3,467,004,980 4,292,055,802 4,938,786,981 5,330,566,434 5,942,058,229	410, 875, 776 474, 693, 800 532, 594, 959 628, 427, 937 692, 633, 349	1, 329, 811, 478 1, 611, 232, 166 1, 876, 773, 231 1, 963, 462, 720 2, 078, 634, 086	1,740,687,254 2,085,925,966 2,409,368,190 2,591,890,657 2,771,267,435	11.8 11.0 10.8 11.8	38. 4 37. 6 38. 0 36. 8 35. 0	50. 2 48. 6 48. 8 48. 6 46. 6		
1951 1952 1953 1954 1955	6, 940, 946, 783 7, 443, 533, 199 7, 993, 069, 351 7, 902, 124, 137 8, 753, 450, 496	816, 714, 604 923, 905, 251 1, 016, 679, 409 1, 075, 101, 215 1, 147, 142, 086	2, 713, 71 4, 909 2, 940, 338, 939 2, 821, 586, 476	3, 276, 280, 917 3, 637, 620, 160 3, 957, 018, 348 3, 896, 687, 691 4, 142, 409, 534	11. 8 12. 4 12. 7 13. 6 13. 1	35. 4 36. 5 36. 8 35. 7 34. 2	47. 2 48. 9 49. 5 49. 3 47. 3		
1956 1957 1958 1958 1959 1960 1961	9, 454, 953, 713 10, 154, 277, 148 10, 371, 284, 023	1, 452, 639, 112 1, 512, 529, 222 1, 585, 379, 151	3, 298, 666, 205 3, 391, 803, 438 3, 305, 975, 319 3, 517, 598, 977 3, 565, 123, 889	4,570,692,190 4,778,039,547 4,758,614,431 5,030,128,199 5,150,503,040 5,231,446,969	13. 2 15. 4 14. 9 15. 3 14. 8	34. 4 35. 0 34. 6 34. 4 34. 1	47. 6 50. 3 49. 5 49. 6 48. 9		

¹ Based on revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable to years prior to 1957.

TABLE 24. Relation of Salaries and Wages Paid to the Value Added by Manufacture, by Industrial Group, 1961

	Value	2	Salaries and wage	es	Propor represented	Proportion of value added represented by salaries and wages			
Industrial group	added by manufacture	Adminis- trative and office employees	Production workers	Total employees	Adminis- trative and office employees	Production workers	Total employees		
		doll		per cent					
Food and beverage industries Tobacco products industries Rubber industries Leather industries Textile industries Knittling mills Clothing industries Wood industries Funiture and fixture industries Paper and allied industries Primary metal industries Primary metal industries Metal fabricating industries (except machinery and transportation equipment	128, 639, 932 171, 593, 527 140, 387, 914 392, 688, 681 100, 641, 407 377, 072, 432	185,512,129 9,070,524 24,226,119 18,742,890 61,965,813 12,532,781 53,466,318 53,768,915 28,986,091 118,076,480 139,940,194 109,065,905	502, 483, 844 30, 083, 354 57, 777, 666 70, 831, 353 150, 591, 976 44, 936, 601 120, 561, 789 83, 459, 582 353, 060, 685 187, 960, 676 348, 553, 446	687, 995, 973 39, 153, 878 82, 003, 785 89, 574, 243 212, 557, 789 57, 469, 382 234, 388, 479 280, 330, 704 112, 445, 673 471, 137, 165 327, 900, 870 457, 619, 351	10. 9 7. 1 14. 1 13. 4 15. 8 12. 5 14. 2 12. 5 15. 6 11. 0 23. 7 9. 7	29. 5 23. 3 33. 7 50. 4 38. 3 44. 6 48. 0 52. 5 45. 1 33. 0 31. 8 30. 8	40. 4 30. 4 47. 8 63. 8 54. 1 57. 1 62. 2 65. 0 60. 7 44. 0 55. 3 40. 5		
industries) Machinery industries (except electrical	739, 018, 830	127, 372, 439	294, 543, 505	421, 915, 944	17. 2	39.9	57.1		
machinery). Transportation equipment industries. Electrical products industries mon-metallic mineral products industries Petroleum and coal products industries Chemical and chemical products industries tries tr	329, 763, 583 828, 669, 699 617, 534, 041 381, 393, 965 290, 698, 500 760, 927, 799 309, 523, 448	74,608,704 154,476,284 150,566,765 44,615,733 41,915,843 116,724,359 59,699,376	120, 997, 741 367, 994, 063 203, 001, 314 129, 471, 453 43, 424, 021 137, 279, 934 112, 178, 143	195, 606, 445 522, 470, 347 353, 568, 079 174, 087, 186 85, 339, 864 254, 004, 293 171, 877, 519	22. 6 18. 6 24. 4 11. 7 14. 4	36. 7 44. 4 32. 9 33. 9 14. 9	59. 3 63. 0 57. 3 45. 6 29. 3		
Totals	10, 682, 137, 680	1, 585, 333, 662	3, 646, 113, 307	5, 231, 446, 969	14.8	34. 1	48. 9		

SECTION E. FUEL AND ELECTRICAL ENERGY CONSUMPTION

Establishments in the manufacturing industries are asked to report varying amounts of detail on volumes and cost of fuel and electricity used in their operations, Large establishments (reporting on "long" forms) are asked to give details on each of the various types of fuel shown in Tables 27 and 28; medium-sized establishments (reporting on "medium" forms) are asked to report separately only the total cost of fuel and electricity;

while small establishments (reporting on "short" forms) have not been asked to report any information on fuel and electricity since 1958. For this latter group of establishments, estimates of the total cost of fuel and of electricity in 1961 have been made on the basis of the cost of fuel and electricity reported in 1958 by small establishments, adjusted for changes in the selling value of factory shipments from 1958 to 1961. No attempt

has been made to break down this estimated cost of fuel and electricity into its component parts nor, because of the complexity of rate structures, has an attempt been made to estimate kilowath-hour consumption of electricity by medium-sized establishments. This means that, for 1961, the only data available on quantities and cost of individual fuels and of electricity are those reported by large establishments.

Other, and more significant, breaks in continuity have been introduced by the implementation in 1960 of the revised Standard Industrial Classification and, in 1961, of the New Establishment Concept. It has not been possible to convert data on 'individual items of fuel and electricity to this new basis for years prior to 1961. Consequently, the data on costs and quantities of individual types of fuel and of electricity for 1960 and previous years in Tables 27 and 28 are not directly comparable to those for 1961 in the same tables. However, the total cost of fuel and electricity for 1957-60, by province and industrial group as shown in the right-hand section of Table 25, are directly comparable with 1961. The originally published data for individual provinces for the 1957 - 59 period, on the unrevised (1948) Standard Industrial Classification and old establishment concept, are shown in the same table to provide an indication of the extent of the changes resulting from the introduction of the new classification and concept. Two of the more significant results of these changes occurred in petroleum refineries and the smelting and refining industries. In the former, the revised Standard Industrial Classification resulted in the transfer of gas processing plants from the manufacturing to the mining sector. In addition, a change in the method of reporting by refineries resulted in the exclusion of products of own manufacture from the fuel and electricity section of the annual Census of Manufactures. The combined effect of changes in classification and in valuation of products for petroleum refineries resulted in substantial apparent reductions in the value of purchased fuel and electricity in this industry as shown below:

	Original	Revised	Change						
	dollars								
1957	52, 398, 000	7,035,000	- 45, 363, 000						
1958	57, 052, 000	7, 573, 000	- 43, 479, 000						

In the smelting and refining industry, the implementation of the new establishment concept in 1961 resulted in the inclusion of certain power-generating facilities as part of the manufacturing establishment. Prior to 1961, electricity obtained from these facilities was reported as "purchased". The apparent decrease in purchased electricity in 1961 as shown in Table 28 is largely offset by an apparent increase in electricity generated for own use. The effects of this change, as well as those resulting from the revised Standard Industrial Classification, are shown in the following original and revised costs of purchased fuel and electricity in the smelting and refining industry for 1957 to 1959:

	Original	Revised	Change							
	dollars									
1957	59, 475, 000	42,735,000	- 16,740,000							
1958	63, 522, 000	43,868,000	- 19,654,000							
1959	62, 320, 000	47, 341, 000	- 14,979,000							

The combined effect of changes in classification and in reporting procedures in these two industries alone accounts for \$62,103,000 or almost 78 per cent of the apparent decrease of \$79,862,000 in the cost of purchased fuel and electricity in 1957 from the originally published data to those compiled on the basis of the revised (1960) Standard Industrial Classification and New Establishment Concept. The differences for 1958 and 1959 were similar in cause and size to those of 1957. Data for 1960 have been omitted from the left-hand section of Table 25 as they represent a transitional phase based on the revised Standard Industrial Classification and old establishment concept.

The total cost of purchased fuel and electricity used by the manufacturing industries in 1961, at \$515,385,000, was up 2.3 per cent over the revised 1960 total of \$503,987,000. Table 26 shows that regional utilization closely paralleded the geographic distribution of factory shipments, with Ontario accounting for \$236,710,000 or 45.9 per cent; Guebec, \$157,136,000 or 30.5 per cent and British Columbia, \$47,358,000 or 9.2 per cent. On an industrial group basis, the paper and allied industries accounted for the largest share, \$122,289,000 or 23.7 per cent, followed by primary metal industries with \$87,888,000 or 17.1 per cent, food and beverage industries, \$70,226,000 or 13.6 per cent; chemical and chemical products industries, \$54,694,000 or 10.6 per cent and the non-metallic mineral products industries, \$46,501,000 or 9.0 per cent.

Tables 27 and 28 show the values and quantities of purchased fuel and electricity used in 1961 by large establishments which reported \$491,488,000 or 95.4 per cent of the total for all establishments. Of this total, fuel accounted for \$272,332,000 or 55.4 per cent and electricity, \$219,156,000 or 44.6 per cent. Expenditures on electricity represented utilization of 39,459,800,000 kwh. In addition, 18,991,600,000 kwh were generated for own use, making total utilization by large establishments of 58,451,400,000 kwh. As explained above, the apparent decrease in purchased electricity and the apparent increase in electricity generated for own use results from a change in reporting procedure whereby certain power-generating facilities are now considered part of manufacturing establishments. Total electrical energy consumption (electricity purchased plus that generated for own use) was dominated by three industrial groups - the primary metal industries 21,104,400,000 kwh or 36.1 per cent, the paper and allied industries with 21,001,700,000 kwh or 35.9 per cent, and the chemical and chemical products industries with 6,207,800,000 kwh or 10.6 per cent. On a provincial basis, Quebec accounted for just over 50 per cent, with 29,608,400,000 kwh, Ontario for 26.1 per cent with 15,239,900,000 kwh, and British Columbia for 14.5 per cent with 8,469,900,000 kwh.

TABLE 25. Cost of Purchased Fuel and Electricity Used by the Manufacturing Industries, by Province and Industrial Group, 1957-61

Providence of developing and		vised (1948 rial Classifi		Basis revised (1960) Standard Industrial Classification and New Establishment Concept				
Province or industrial group	1957	1958	1959	1957	1958	1959	1960	1961
Province				\$'	000			
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Totals	7, 353 409 16, 057 14, 136 187, 181 246, 826 13, 895 9, 031 15, 844 44, 399 179	6, 903 419 14, 055 13, 162 183, 376 241, 900 12, 909 8, 945 16, 705 50, 557 376	6, 520 455 14, 039 14, 014 179, 721 262, 110 14, 019 9, 635 17, 961 50, 234 173	7, 268 388 10, 146 14, 036 149, 420 221, 536 11, 833 6, 345 13, 116 41, 321 41	6,864 397 8,959 13,089 147,264 215,498 10,832 6,764 14,054 46,856 31	6,509 439 8,795 13,856 149,423 232,025 11,925 7,103 15,357 46,566 51	6,783 460 9,839 15,032 152,372 235,718 12,107 7,320 16,307 47,992	7, 064 463 10, 012 15, 415 157, 136 236, 710 16, 244 7, 660 17, 271 47, 358 52
Totals	555, 312	549, 309	568, 880	475, 450	470, 608	492,048	503, 978	515, 385

TABLE 25. Cost of Purchased Fuel and Electricity Used by the Manufacturing Industries, by Province and Industrial Group, 1957-611 - Concluded

Province or industrial group		evised (194) rial Classif		Basis revised (1960) Standard Industrial Classification and New Establishment Concept					
	1957	1958	1959	1957	1958	1959	1960	1961	
Industrial group	\$'000								
Food and beverage industries Tobacco products industries Rubber industries Leather industries Leather industries Textile industries Knitting mills Clothing industries Wood industries Furniture and fixture industries Paper and allied industries Printing, publishing and allied industries Printing, publishing and allied industries Printing metal industries Metal fabricating industries (except machinery and transportation equipment industries) Machinery industries (except electrical machinery) Transportation equipment industries Electrical products industries Electrical products industries Petroleum and coal products industries Petroleum and coal products industries Miscellaneous manufacturing industries Miscellaneous manufacturing industries				66, 405 845 5, 006 2, 371 15, 217 2, 014 3, 168 15, 666 3, 778, 934 18, 406 6, 058 22, 560 11, 022 48, 997 8, 445 42, 582 4, 882	66, 577 901 5, 034 2, 319 14, 631 1, 897 2, 973 16, 581 3, 670 110, 532 5, 780 73, 666 17, 445 6, 214 21, 060 10, 494 49, 007 8, 672 48, 276 4, 877	67, 467 903 5, 425 2, 284 14, 806 1, 943 2, 908 17, 174 3, 831 113, 780 5, 941 82, 914 18, 727 7, 096 20, 458 11, 525 48, 921 9, 950 50, 870 5, 125	68, 443 975 5, 223 2, 251 14, 672 1, 790 2, 960 17, 743 3, 800 116, 088 6, 329 88, 096 18, 675 6, 846 20, 768 47, 092 9, 556 55, 702 5, 772 5, 772	70, 226 1,035 5,276 2,274 15,113 1,927 3,019 20,340 3,907 122,289 6,550 87,898 18,960 6,660 20,124 46,501 11,351 54,694 5,705	

¹ See accompanying text for explanation of differences in costs resulting from implementation of the revised (1960) Standard Industrial Classification and New Establishment Concept.

TABLE 26. Cost of Purchased Fuel and Electricity Used by the Manufacturing Industries, by Size of Establishment,
Province and Industrial Group, 1961

Province or industrial and	Cost of purc	hased fuel	Cost of purchas	sed electricity	Total cost of purchased fuel and electricity		
Province or industrial group	Large establish- ments	Medium establish- ments	Large establish- ments	Medium establish- ments	Small establish- ments ¹	All establish- ments	
			dol	lars			
Province							
Newfoundland Prince Edward Island Prince Edward Island Nova Scotia Nova Scotia Rewindland New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Putkon and Northwest Territories	3,934,337 188,219 6,153,891 10,526,518 69,496,412 137,043,558 6,826,978 3,582,821 10,136,645 24,408,479 34,024	67, 141 43, 687 139, 335 144, 486 2, 124, 881 2, 731, 703 223, 937 149, 409 252, 570 454, 224 2, 268	2, 926, 300 127, 748 3, 134, 200 4, 245, 780 80, 067, 825 90, 270, 104 8, 449, 997 3, 508, 757 6, 044, 696 20, 380, 285	49, 259 22, 604 75, 163 58, 660 1, 462, 538 1, 487, 801 77, 090 185, 880 475, 133 1, 020	87,007 80,762 509,037 439,962 3,984,304 5,176,365 573,794 342,335 651,704 1,639,450	7, 064, 044 10, 011, 626 15, 415, 406 157, 135, 960 236, 709, 531 16, 243, 967 7, 660, 412 17, 271, 495 47, 357, 571 51, 725	
Canada	272, 331, 882	6, 333, 641	219, 155, 690	4, 064, 409	13, 499, 133	515, 384, 755	
Food and beverage industries Tobacco products industries Rubber industries Leather industries Leather industries Knitting mills Clothing industries Wood industries Furniture and fixture industries Paper and allied industries Printing, publishing and allied industries Primary metal industries Metal fabricating industries Metal fabricating industries Metal fabricating industries(except machinery and transportation equipment industries) Machinery industries (except electrical machinery)	43, 235, 817 508, 632 2, 526, 872 1, 115, 769 8, 167, 360 1, 070, 038 1, 031, 348 9, 306, 360 1, 446, 160 59, 528, 918 2, 199, 640 47, 463, 827 9, 654, 762 3, 551, 255 11, 213, 821	2, 917, 080 60, 749 106, 921 190, 904 223, 676 460, 731 427, 884 172, 594 403, 501 484, 556 5, 536	17, 044, 934 516, 531 2, 627, 432 876, 965 6, 445, 433 759, 403 1, 340, 563 1, 425, 793 62, 328, 070 2, 628, 248 39, 990, 665 7, 193, 764 2, 864, 733 5, 50, 960	1, 265, 946 41, 960 118, 933 88, 664 289, 167 513, 804 343, 360 137, 376 474, 198	5,762,286 10,035 19,034 53,398 220,994 97,483 134,207 1,881,191 263,778 122,534 844,046 443,510	70, 226, 063 1, 035, 202 5, 276, 047 2, 273, 986 15, 113, 355 1, 926, 924 3, 018, 960 20, 339, 546 3, 906, 981 122, 289, 492 6, 549, 633 87, 898, 002 18, 959, 670 6, 860, 260	
Transportation equipment industries Electrical products industries Non-metallic mineral products industries Petroleum and coal products industries Chemical and chemical products industries Miscellaneous manufacturing industries	11, 213, 821 5, 194, 177 30, 779, 945 3, 028, 652 28, 895, 515 2, 413, 010	5, 536 535, 367 59, 770 282, 372	8,502,850 5,825,066 14,429,418 8,322,550 25,446,067 2,409,690	8, 113 , 186, 401 20, 884 242, 229	393, 355 317, 146 569, 808 271, 580 357, 312	20, 123, 675 11, 336, 389 46, 500, 939 11, 351, 202 54, 693, 816 5, 704, 613	

¹ Estimated. Small establishments have not been required to report the cost of fuel and electricity since 1958; data for 1961 have been estimated on the basis of the cost of fuel and electricity reported in 1958 by small establishments, adjusted for changes in the selling value of factory shipments of these establishments from 1958 to 1961. No attempt has been made to break down this estimated cost of fuel and electricity into its component parts.

TABLE 27. Value of Fuel and Electricity Used in the Manufacturing Industries, Selected Years, 1926-60 and by Province and Industrial Group, 19611

	Year, province and group	Bituminous					Coke	Gasoli
No.		Canadian	Imported	Sub- bituminous	Anthracite	Lignite		
		+			dollars			<u> </u>
1	19262	34, 500	291	3	2, 173, 178	533, 928	4, 157, 935	000
2	19292	15, 832, 290	21, 754, 377	3	1,844,736	707, 058	2, 332, 823	692, 430,
3	19332	7,571,912	10,770,107	3	1,033,154	522, 626	1, 574, 426	254.
4	19376	15, 648, 467	16, 255, 262	3	1, 253, 376	759,600	5, 169, 524	799,
5	1939	15, 744, 444	13, 386, 496	3	1, 151, 278	740, 593	4, 870, 875	1, 208,
6	1944	19, 785, 479	55, 667, 410	8	2, 231, 277	1, 522, 417	7, 909, 168	7, 278,
7	1946	17,633,047	48, 211, 575	425, 020	1,812,744	1, 442, 277	6, 884, 833	8, 425,
3	1948	28, 160, 528	73, 315, 170	440, 737	2, 274, 727	1, 598, 940	9, 575, 838	13, 442,
)	19537	34, 503, 085	68, 523, 205	615,660	2, 629, 506	2, 241, 781	9, 622, 024	22, 892,
)	1956	43, 191, 404	65, 520, 769	755, 330	2,721,907	2, 140, 733	12, 452, 676	35,577,
	1957	41, 506, 544	67, 915, 652	1, 085, 186	2, 574, 981	2,622,995	11,691,402	40, 279
2	1958*	36, 950, 331	60,092,837	432, 289	2,035,215	2, 561, 181	10, 736, 182	36, 494
3	195910	37, 123, 634	50, 862, 406	266, 835	2, 282, 010	1,603,976	11, 418, 112	32, 689
Į.	196010	33, 713, 674	45, 535, 937	222, 938	2, 540, 689	1, 398, 707	10, 407, 340	32, 961,
	Province							
	Newfoundland	41,691	11	_	7,892	_	4, 500	189
	Prince Edward Island	13, 321	-	_	_	and a	11	73
	Nova Scotia	1, 468, 190	_	_	11	_	93, 953	998
	New Brunswick	5, 062, 221	11	_	11	_	2, 880	861
	Quebec	15,075,905	4,011,056	35, 806	2, 031, 488		215, 231	8, 376
	Ontario	8, 909, 682	36, 589, 376	120,080	572, 734	41, 349	5, 291, 921	15, 282
	Manitoba	487,019	73, 443	41, 103	4, 157	1, 106, 215	32, 150	1, 293,
	Saskatchewan	1,556,670	_	5, 641	11	14,007	11	718,
	Alberta	870	11	108, 500	_		11	1, 569,
	British Columbia	1, 116, 755	9,001	21,969	11		1, 169, 882	3, 665,
•	Yukon and Northwest Territories	_	-	_	_	_	-	3,
	Totals, 1961 ¹⁰	33, 732, 324	40, 684, 714	333, 099	2, 625, 259	1, 161, 571	6, 854, 766	33, 032,
	Industrial group							
	Food and beverage industries	1,536,993	4, 364, 327	108, 441	219,031	389, 879	126, 921	15, 373,
	Tobacco products industries	3, 135	84, 362	_	17, 261	_	11	29,
	Rubber industries	63,611	1, 439, 802	_	10, 214	_	_	108,
	Leather industries	104, 974	508, 191	-	3, 168	ma	_	77,
	Textile industries	1,411,020	1,090,691	35, 940	107,089	11	21, 493	319,
	Knitting mills	86,914	367, 219	-	11	_		53,
	Clothing industries	34, 864	92, 558	_	11	11	5, 030	303,
	Wood industries	187, 461	61, 203	18,854	6,651	6,849	1, 350	4, 227,
	Furniture and fixture industries	84, 272	253, 984	11	15, 364	4, 245	11	457.
	Paper and allied industries	17, 322, 402	5, 637, 772	-	6,000	459, 366	_	867,
į	Printing, publishing and allied industries	57, 238	104, 071	9, 396	7,963	11	2, 279	722,
	Primary metal industries	7, 331, 558	5, 040, 952	104, 328	1,952,203	-	6, 317, 600	732,
	transportation equipment)	330,983	707, 584	2,414	39,612	19,855	26,609	1,963,
	Machinery industries (except electrical machinery)	154, 280	707,616	2,606	34, 856	1,557	43,659	470,
	Transportation equipment industries	652, 570	3,897,936	8, 287	79, 491	172, 393	141, 125	1, 482,
	Electrical products industries	169,667	948, 188	7,422	19, 210	3, 429	2,032	494,
	Non-metallic mineral products industries	3, 276, 198	6, 139, 250	27,870	47,631	94, 260	77,749	3,663,
	Petroleum and coal products industries	_	5,971	5, 362	_	-	-	51,
	Chemical and chemical products industries	813, 025	8,769,123	11	38, 354	3, 394	78, 960	1,007,
	Miscellaneous manufacturing industries	111,159	463,914	11	14,376	2,640	7,878	624, 0

¹ Values for 1961 not directly comparable with those for previous years; see text, page 102.
² For 1926, 1929 and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals in order to make the series comparable.
² Included with "Other fuel".
⁴ Included with "Other fuel".
⁴ Included smanufactured and natural gas.
² Not collected.
⁶ Electricity purchased for metallurgical purposes in the "Non-ferrous metal smelting and refining" industry included for the first time.
७ Newfoundland included in this and subsequent years; also for 1949-52 in tables for those years.

TABLE 27. Values of Fuel and Electricity Used in the Manufacturing Industries, Selected Years, 1926-60 and by Province and Industrial Group, 19611

			Gas					Electricity		
Fuel oil	Wood	Liquified petroleum	Other manufactured	Natural	Steam purchased	Other fuel	Total cost of fuel	Purchased	Generated for sale	
	<u> </u>	l		do	ollars					
7, 102, 676	2, 533, 424	j	1 4 100		1	1	1	1	1	,
117, 874, 831	2,604,803	_	4, 182			804, 478	56, 680, 500	26, 235, 597	5	ı
4, 566, 630	1,635,716	_	5, 218, 678	905,039		861,048	60, 365, 941	37, 775, 877	904, 791	- 1
8, 580, 369	1,636,098	_	4,097,925	729, 385		766, 951	33, 523, 342	33, 092, 334	36, 393	
8, 560, 418	1, 562, 119		6, 148, 643	1, 256, 276	3	2,068,361	59, 575, 036	50, 032, 810	288, 842	
21, 822, 975	2, 340, 460	_	6, 506, 782	1, 385, 110		1,946,885	57, 063, 131	50, 509, 121	405, 690	
23, 872, 464	2, 189, 271		13, 779, 303	3, 110, 803	3	2, 436, 141	137, 883, 770	87, 699, 383	1,219,086	
50, 987, 211	1, 991, 384	_	12, 086, 381	1,881,984	3	2, 314, 606	127, 179, 620	83, 273, 105	1,589,447	
77, 034, 810	1, 368, 106	1,585,671	20, 507, 352	2,080,617	3	4, 688, 972	209, 063, 839	94, 475, 355	887, 402	
13, 467, 139			27, 642, 079	4,671,710	,	5, 882, 231	259, 212, 493	152, 576, 3288	2, 486, 054	å
21, 970, 826	1,083,646	2, 516, 160	32, 653, 222	9,675,877	3	11, 546, 581	333, 304, 628	190, 636, 078	2, 400, 304	
	994, 740	2, 467, 645	37, 855, 107	13, 115, 005	3	11, 404, 409	355, 483, 917	199,827,871	2, 218, 022	
07, 355, 107	942,856	2,941,900	34, 052, 063	20, 374, 779	8, 276, 110	4, 910, 289	328, 155, 960	211, 163, 612	2, 534, 714	
04, 909, 283	755, 564	5, 622, 041	33, 354, 443	31, 599, 347	9, 867, 674	3, 762, 615	326, 117, 148	216, 010, 227	2,639,524	
03, 384, 937	710, 155	2, 717, 012	21,071,768	39, 854, 287	10, 899, 817	3, 487, 221	308, 906, 298	226, 937, 396	2, 578, 999	
3, 684, 968	11	3, 196	500		1,050		3, 934, 337	2,926,300	21,908	
95, 273	2, 525	2, 189	_	_	1,000	11	188, 219		21,908	
3, 246, 453	23,011	36,083	11	_	241, 335	23, 242	6, 153, 891	127,746	_	
4, 145, 983	77, 209	227, 329		3,168	94, 822			3, 134, 200	25, 976	
29, 493, 436	277, 804	831, 479	158, 150	6, 087, 550		51, 391	10, 526, 518	4, 245, 780	918, 387	
31, 920, 354	238, 783	1, 039, 886	4, 122, 675	27, 725, 186	2, 518, 889	392, 817	69, 496, 412	80, 067, 825	855, 735	
2, 113, 522	24, 469	44, 534	4, 122, 010		4, 358, 309	830, 760	137,043,558	90, 270, 104	1,047,869	
213, 848	21, 103	39, 369		1, 522, 953	74, 440	9, 467	6,826,978	8, 449, 997	_	-
418, 273		18, 473	_	986, 767	35, 901		3, 582, 821	3, 508, 757		
11, 704, 920	40,687	285, 089	11	7, 860, 294	57, 930	59,855	10, 136, 645	6, 044, 696	11	
	20,001	285, 089		3, 861, 032	822, 294	1,688,640	24, 408, 479	20, 380, 285	183, 201	ı
16,848		_	_	13, 979	_	0000	34, 024	_	11	1
87, 053, 878	686, 913	2, 527, 627	4, 318, 067	48,060,929	8, 204, 970	3, 055, 630	272, 331, 882	219, 155, 690	3, 056, 526	-
13, 101, 853	143, 897	489, 034	50, 909	6, 329, 102	901,821	99, 895	43, 235, 817	17, 044, 934	11	i
315,706	11	7,658	_	22, 575	28, 103		508, 636	516, 531		1
552,741	1,000	4, 569	10,842	137, 597	198, 164	_	2,526,872	2, 627, 432		ı
324, 735	2, 329	2,719	2,674	73, 917	14, 047	1, 566	1, 115, 769	876, 965		1
4, 128, 070	11	131, 501	29, 612	400, 971	417, 731	71,883	8, 167, 360	6, 445, 433	-	
438,821	_	5, 580	11	44, 295	53,652	17, 487	1,070,038	759, 403	_	
386, 791	11	15, 119	11	71,628	109, 127	4, 572	1,031,348		-	
3, 348, 562	170,977	214, 484	3, 076	308, 290	495, 010	255, 613	9, 306, 360	1,340,562		-
370, 968	45, 368	6, 488	3,010	182, 471	8, 170	14, 502		8, 177, 460	104, 857	l
21,637,562	58,317	440, 550	126, 784				1, 446, 160	1, 425, 799		l
	38, 317			9, 932, 143	1, 230, 513	1,810,469	59, 528, 918	62, 328, 070	2, 698, 668	1
831, 501 18, 120, 821		26,675	8, 134	325,947	100,737	613	2, 199, 640	2, 628, 248	11	
	53,718	181, 393	277, 066	7, 301, 233	25, 536	24, 880	47, 463, 827	39, 990, 665	238,750	
2, 971, 021	10, 276	294, 205	41,890	2, 993, 323	242,757	10,756	9, 654, 762	7, 193, 764	enn	-
1, 239, 019	2, 146	45, 556	22, 787	759, 414	66, 162	788	3, 551, 255	2, 864, 783	-	
2,743,157	9,140	174, 394	47, 561	1, 469, 338	208,698	126,740	11, 213, 821	8, 502, 850	-	1
2,030,992	100 610	150, 342	12, 249	1,009,643	209, 585	136, 685	5, 194, 177	5, 825, 066	Pro-	
8,704,300	183, 516	208, 815	17, 212	8,002,131	316, 033	21, 033	30, 779, 945	14, 429, 418	-	-
156,043		1,518		2, 515, 917	254, 876	37, 105	3, 028, 652	8, 322, 550	11	
4,863,144	11	66, 245	3, 651, 590	5, 885, 128	3, 306, 955	410, 297	28, 895, 515	25, 446, 067	8, 497	
788,071	11	60,782	12, 917	295, 866	17, 293	10,746	2, 413, 010	2, 409, 690	-	4

Exclusive of the "Butter and cheese industry" in the province of Quebec.

Includes only establishments with selling values of factory shipments of \$100,000 or over; these establishments reported over 98 per cent of the total value of fuel used by the manufacturing industries of Canada in 1958.

Includes only large establishments which for most industries refer to establishments with shipments of \$500,000 or over and which in total accounted for 95.4 per cent of the total cost of purchased fuel and electricity used in 1961. For details of the cost of fuel and electricity used by small and medium-sized establishments in 1961 see Table 26.

TABLE 28. Quantities of Fuel and Electricity used in the Manufacturing Industries, Selected Years, 1926-60 and by Province and Industrial Group, 19611

	Year, province and group		Bituminous		Anthracite Lignite		Coke	Gasolin	
o.		Canadian	Imported	Sub- bituminous	Antinacite	Tiguite			
					t tons			Imp. gal	
1	1926²	5,776	,719	3 -	283,678	146,098	475, 232	2, 386, 9	
2	19292	2,816,122	3,943,007	3	255, 700	164,544	380,432	1,717,5	
3	1933 ²	1,499,715	2,026,083	3	145,017	158, 437	288,811	1,079,8	
4	19376	2,907,671	2,828,519	3	173,993	265,440	657,994	3,665,2	
5	1939	2,893,613	2, 262, 378	3	167, 465	238,698	596,077	5, 306, 6	
6	1944	2, 538, 345	7, 336, 983	3	228,795	421,351	803, 179	24, 114, 0	
7	1946	2, 208, 110	5, 794, 992	70,450	179, 139	394,689	691, 152	27, 537,	
8	1948	2,869,674	7,468,497	65,449	194,211	378,904	768, 240	39,861,	
9	19537	3,180,027	6,811,887	77,382	195, 261	466,994	673,896	64, 521,	
0	1956	3,818,961	6, 167, 119	88,956	203,322	449,001	756, 747	97, 915,	
1	1957	3, 497, 154	6, 197, 815	105,719	181,589	535,711	659,915	108, 361,	
2	1958°	3,084,166	5, 457, 181	53, 130	144, 345	523,817	688,375	99,653,	
3	195910	3,240,064	4,645,581	42, 169	172, 353	339, 206	761,036	92, 652,	
	196010	3,058,866	4,356,360	33,577	198,659	305,968	731, 858	94, 864,	
	Province								
	Newfoundland	1,881	11	_	238	_	100	393,	
	Prince Edward Island	752		_		_	11	185,	
	Nova Scotia	121,054	_	_	11		6,335	2, 336,	
ı	New Brunswick	456,910	11	_	11	_	135	2, 107,	
and the same	Quebec	1,358,160	310,996	2,200	159,424	_	10, 131	22, 637,	
Ì	Ontario	908, 253	3,504,067	10,633	41,442	2,827	244.841	45, 420,	
	Manitoba	35, 337	4,312	4,722	226	270, 781	2,392	3, 632,	
Ì	Saskatchewan	109,845	_	657	11	1,978	11	1,998,	
	Alberta	134	11	21, 248	_	1,310	11		
	British Columbia	121,505	688	1, 599	11		62,649	4,364,	
	Yukon and Northwest Territories	-	-	-	-	_	02,049	10,413,	
	Totals, 1961 ¹⁰	3, 113, 831	3, 820, 126	41,059	202, 188	275, 586	329, 837	93, 490,	
-	Industrial group				1	1			
	Food and beverage industries	117, 592	389,088	20,710	14, 193	71,314	5,832	45, 596,	
	Tobacco products industries	182	6,445	-	1,207	_	11	76,	
	Rubber industries	5,948	133,910	_	651	_		309,	
	Leather industries	7,378	42,497	_	183			191,	
-	Textile industries	125, 447	85,747	2,780	8,363	11	2, 204	822,	
	Knitting mills	7,442	28, 293		11	_		125,	
ı	Clothing industries	2,341	7, 173	_	11	11	233	757,	
Ì	Wood industries	14,090	4,586	1,318	462	641	55	9, 121,	
-	Furniture and fixture industries	6, 199	18, 162	11	597	519	21	1, 120,	
ì	Paper and allied industries	1,704,025	505,630	_	430	89, 169		2,591,	
Ì	Printing, publishing and allied industries	4,093	7,831	530	457	11	98	1,897,	
	Primary metal industries	591,817	415,402	9,940	155,385		294,850	2, 440,	
	Metal fabricating industries (except machinery								
1	and transportation equipment)	26,053	58,620	147	2,452	3,126	4,032	5, 296,	
-	Machinery industries (except electrical machinery)	10,899	64,864	453	2,030	187	1,659	1, 286,	
I	Transportation equipment industries	60,100	395,891	561	7, 729	93,475	4,888	4,772,	
	Electrical products industries	14,768	83,476	504	1,364	577	200	1, 281,	
1	Non-metallic mineral products industries	331,585	521,719	3,189	2,613	15,596	4,057	11, 278,	
I	Petroleum and coal products industries	_	476	766	_	_	sa40	161,	
æ	Chemical and chemical products industries	76, 162	1,014,817	11	2,804	520	11,022	2, 822, 5	
	Miscellaneous manufacturing industries	10, 202							

¹ Quantities for 1981 not directly comparable with those for previous years; see text, page 102.

² For 1926, 1929 and 1933, fuel and electricity used by "Dyeing, cleaning and laundry work" and by "Central electric stations" have been deducted from the totals in order to make the series comparable.

³ Not collected.

⁴ Includes manufactured and natural gas.

⁵ Quantities not collected; see Table 27 for values.

⁶ Electricity purchased for metallurgical purposes in the "Non-ferrous metal smelting and refining" industry included for the first time.

⁷ Newfoundland included in this and subsequent years; also for 1949-52 tables for those years.

TABLE 28. Quantities of Fuel and Electricity Used in the Manufacturing Industries, Selected Years, 1926-60 and by Province and Industrial Group, 19611

			Gas				Electricity		1
Fuel oil	Wood	Liquified petroleum	Other manufactured	Natural	Steam purchased	Purchased	Generated for own use	Generated for sale	1
Imp. gal.	cords	Imp. gal.	Mcf	•	pounds		kwh.		+
110,378,654	722,098	o+us	40,588	8544	3	8	3	3	1
150,910,662	655,975	_	41,828,619	4,558,391	3	5	1,150,974,484	53,593,323	i
115, 926, 083	549,712	_	23,119,514	3,118,402	3	9,771,514,859	1,241,399,928	2,108,460	
167, 824, 977	504,261	_	59,952,258	5,802,210	3	17, 092, 769, 974	2,328,675,496	48,534,697	
195, 134, 885	475,320	-	71,881,777	6, 112, 911	3	17,072,764,222	2,357,668,720	76,571,743	
349, 495, 395	408,227		118,057,302	12,598,361	3	25,777,238,678	2,752,124,500	127, 214, 139	
376,006,524	348,440	_	95,490,776	8,744,901	3	25, 250, 876, 449	2,714,261,524	166,073,767	
482,218,705	309,127	-	146,548,124	9,962,480	3	24, 907, 413, 154	4,590,676,828	203,779,877	- 1
834,641,849	299,468	9,840,533	73,441,492	21,516,353	3	34,026,135,310 ⁸	6,901,443,188	349,904,956	
,124,521,019	188,776	17,554,665	83,837,949	44, 356, 597	3	40, 251, 872, 170	6, 589, 462, 640	320, 859, 476	
,138,442,219	158,977	16, 068, 119	89, 967, 026	49, 858, 493	3	41,694,754,285	6,363,482,563	320,859,476	
,116,547,362	123,282	25,684,770	89,666,286	66,269,301	9,671,359,864	45, 231, 141, 030	6,624,170,330		
	120,055	59,534,497	97, 292, 175	94,510,873	10, 767, 276, 978			466,026,793	
,256,544,552		23,739,760	52,339,793		13, 149, 384, 194	46,813,426,489	6,725,004,265 7,370,600,853	475,697,606	
,275,832,134	132,681	20, 135, 100	02,000,100	123,254,037	10,110,001,101	52,512,678,196	1,310,000,003	408,005,834	
47,985,979	11	6,930	-	_	477,660	561, 910, 167	323,400,468	3,027,500	1
785,902	214	6,220	_	_	_	5, 085, 045	_		1
40,319,934	2,004	118,584	11	_	243,052,205	357, 686, 234	154,890,800	4,314,000	ı
55,561,432	7,443	632,695	***	3,780	102,898,000	569, 255, 643	462,195,457	111,482,100	
359, 802, 015	28,615	4,108,445	478, 101	16,366,790	2,561,993,878	18,810,917,664	10,797,441,799	73,023,902	
324, 049, 149	28,243	5,365,291	8,675,833	57,238,909	4,629,001,713	13,334,128,543	1,905,766,942	199,360,650	-1
24,479,274	2,855	230,327	0,010,000	3,983,142	53,546,600	1,305,763,124	4,620,600	_	-
1,774,831	2,000	121,856		4,606,988	50, 153, 205	382,749,307	11		1
	-	103,738		42, 153, 777	86,821,367	660, 679, 644	343,943,897	11	1
1,346,604	4,239	1,317,567	11	14, 968, 252	2,063,873,405	3,471,615,603	4,998,255,907	21,382,964	П
129,499,262	4,239	1,311,301	_	38,526	2,003,013,403	5,411,015,005	11	11	
985, 604, 382	73,820	12,011,653	9,326,003	139, 360, 164	9, 791, 818, 033	39, 459, 790, 974	18, 991, 648, 799	412,863,052	
135,373,158	12,780	1,783,911	49,888	15,141,810	588,098,604	1,488,051,512	104,071,588	11	
3,829,188	21	28,750	estes	51,675	18,549,486	48, 088, 489		-	1
5,955,728	75	16, 281	11,052	201,754	165, 128, 258	301, 118, 527	8,513,000	-	
2,972,756	465	8,574	2,674	151,954	8,581,931	57, 531, 024	100,000	_	
51,205,372	11 .	782,141	34, 868	1,132,711	288,891,994	872, 929, 135	90,809,987	_	1
4,091,393	-	20,780	11	64,007	40, 257, 061	48,580,916	1,546,114		1
3,010,468	11	48,585	11	123,461	-	67, 859, 759	-	40 800	1
13,730,591	19,216	1,013,929	23,076	6,077,234	1,295,363,685	549,842,127	217,924,664	12,751,109	
2,697,915	4,759	33,836	-	211,575	7,759,000	75,773,592	211,405	-	
303,747,165	4,342	1,429,305	740,819	28,381,770	1,603,366,428	15,736,821,653	5,264,872,259	363,635,827	1
7,221,979	11	146, 100	36,713	384,563	55,926,265	190,387,261	21	11	1
204,970,648	5,784	963,211	976,316	18,719,448	35, 293, 471	8,310,867,231	12,793,486,133	35,738,500	1
24,288,623	1,030	1,605,747	121,491	4,506,639	208, 889, 243	597,787,790	995,274	_	-
10,989,058	117	139,393	40,631	1,014,348	49,837,271	261, 217, 270	-	***	1
29,064,247	1,064	1,316,224	36,556	2,297,026	100,695,666	855, 742, 418	86,017,000	_	1
21,550,017	-	744,074	11,097	1,223,254	137,970,613	616, 070, 440	12,639,100	_	
98,711,051	23,531	1,243,351	17,203	24,941,375	328,440,020	2,189,743,032	1,671,538	time	1
1,541,214	-	6,748	_	10,349,994	690,597,635	1,203,256,654	11	11	
53,893,660	11	286,320	7,194,661	24,028,653	4, 165, 797, 402	5,803,591,224	404,188,703	447,630	
6, 760, 151	11	394,393	26,563	356,913	2,374,000	184,530,920	3,460,402	***	

Exclusive of the "Butter and cheese industry" in the province of Quebec.

Includes only establishments with selling values of factory shipments of \$100,000 or over; these establishments reported over 98 per cent of the total value of fuel used by the manufacturing industries of Canada in 1958.

Includes only large establishments which for most industries refer to establishments with shipments of \$500,000 or over and which in total accounted for 95.4 per cent of the total cost of purchased fuel and electricity used in 1961. For details of the cost of fuel and electricity used by small and medium-sized establishments in 1961 see Table 26.

PART IV

SELECTED CHARACTERISTICS OF THE MANUFACTURING INDUSTRIES

SECTION A. TYPE OF OWNERSHIP

On the basis of type of ownership, establishments that were incorporated companies or branches of incorporated companies in 1961 outnumbered for the first time those of the three other types of ownership combined. The trend towards the increasing proportion of the total occupied by incorporated companies has continued almost without interruption since these data were first compiled in 1946. At that time, incorporated companies accounted for only one-third, and individual ownership for almost one-half, of the total. Neither the 1946 nor 1961 proportions, however, are entirely comparable with those of other years. The 1946 data exclude the fish-curing and packing industry, and the 1961 data are based on the revised Standard Industrial Classification and the New Estab-

lishment Concept. Implementation of the latter concept removed from the manufacturing sector those establishments not primarily engaged in manufacturing and, as many of these were small establishments, the majority of which are usually not incorporated, the net effect of their removal was a partially artificial increase in the proportion of incorporated companies between 1960 and 1961. The growth in relative importance of incorporated companies from 33.4 per cent of the total number of establishments in 1946 to 54.0 in 1961 was accompanied by declines in the proportions occupied by individual ownerships from 47.3 to 34.4 by partnerships from 16.0 to 9.4, and by co-operatives from 3.3 to 2.2 per cent during the same period.

TABLE 29. Percentage Distribution of Establishments in the Manufacturing Industries, by Type of Ownership, 1946-61

Year	Individual ownership	Partnerships	Incorporated companies	Co-operatives
1946 (estimated) 1947 1948 1949 1950 1951 1952 1952 1954 1955 1956 1957 1958 1959 1959 1959 1959	47. 3 46. 4 46. 2 46. 0 45. 6 44. 9 44. 4 43. 6 42. 7 41. 4 40. 6 39. 2 38. 4 37. 7 34. 4	18. 0 16. 1 16. 4 15. 8 15. 0 15. 5 14. 8 14. 3 13. 6 12. 7 12. 0 11. 1 10. 8 10. 3 9. 4	33. 4 34. 3 34. 3 36. 3 36. 9 38. 2 39. 5 41. 1 44. 9 47. 1 48. 2 49. 5 5	3. 3 3. 2 3. 0 2. 9 3. 1 3. 0 2. 6 2. 6 2. 6 2. 5 2. 6 2. 5 2. 6 2. 5

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

As is to be expected, the smaller establishments, regardless of the type of products manufactured, are operated mainly under individual ownership or partnerships. Industries conducted on a small scale usually contain a large number of establishments in this category, the percentage decreasing as the scale of operation increases.

Of the 11,160 establishments with shipments of under \$25,000, 74.8 per cent were individual ownership, 12.6 per cent partnerships, 12.2, per cent incorporated companies and 0.4 per cent co-operatives. With the increase in size the importance of individual ownership as well as that of partnerships declines. In the case of incorporated companies, however, the opposite is true. As the size increases their numerical importance increases as the following table shows.

TABLE 30. Percentage Distribution of Establishments in the Manufacturing Industries, by Type of Ownership and Selling Value of Factory Shipments, 1961

	Under	\$25,000-	\$100,000 -	\$500,000				
	\$25,000	\$99,999	\$499,999	and over				
Establishments:	per cent							
Individual ownership Partnerships Incorporated companies Co-operatives	74. 8 12. 6 12. 2 0. 4	41. 4 15. 6 41. 0 2. 0	9. 7 5. 9 79. 7	0. 6 0. 9 96. 4				
Totals	100. 0	100.0	100.0	2, 1 100, 0				
Employees: Individual ownership Partnerships Incorporated companies Co-operatives Totals	68. 5	36. 0	5. 8	0. 2				
	15. 6	15. 1	4. 8	0. 3				
	15. 6	47. 7	87. 6	98. 8				
	0. 3	1. 2	1. 8	0. 7				
Factory shipments: Individual ownership Partnerships Incorporated companies Co-operatives Totals	70. 1	37. 0	7. 0	0. 2				
	14. 3	14. 9	4. 8	0. 2				
	15. 1	45. 6	83. 6	98. 4				
	0. 5	2. 5	4. 6	1. 2				

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

The extent of incorporation shows considerable variation within industrial groups, ranging from 34.3 per cent in the wood industries to 95.6 per cent in the petroleum and coal products industries in 1961. Individual ownership ranged from 4.4 per cent in the petroleum and coal products industries to 53.6 per cent in the furniture and fixture industries. Partnerships had their highest proportion, 12.5 per cent of the total, in the wood industries, and co-operatives, 9.7 per cent, in the food and beverage industries.

On the basis of employment provided, incorporated companies are by a wide margin the most important factor in the employment field. Although accounting for only 54.0 per

cent of the number of establishments, this group provided 93.5 per cent of the employment. Comparable percentages for the other groups were: individual ownership, 34.4 and 3.7; partnerships, 9.4 and 1.9; and co-operatives, 2.2 and 0.9. Within industrial groups, the proportion of total employment provided by incorporated companies ranged from 84.0 per cent in the wood industries to 99.8 in the electrical production industries, with such companies providing 95.0 per cent or more of the employment in 13 of the 20 groups. On a provincial basis, incorporated companies provided employment ranging from 73.9 per cent of the total in Prince Edward Island to 95.6 per cent in Ontario.

TABLE 31. Percentage Distribution of Establishments in the Manufacturing Industries, by Type of Ownership,
Province and Industrial Group, 1961

Province or industrial group	Individual ownership	Partner- ships	Incorporated companies	Co- operatives	Total
			per cent		
Province	1			1	
Newfoundland	39, 3	22.5	38, 2		100.0
Prince Figward Island	46.2	14.7	34.0	5.1	100.0 100.0
Nova Scotia	43.5	10. 2	44.0	2.3	100.0
Quebec	41.0 40.7	8. 6 8. 2	48.4	2.0	100.0
Ontario	29.3	8. 2 9. 8	47. 4 59. 6	3.7 1.3	100.0
Manitopa	34.3	10. 1	53.7	1. 3	100. 0 100. 0
Saskatchewan	38.2	9.6	45, 2	7.0	100.0
Alberta	30.3	10.5	55.8	3.4	100.0
Yukon and Northwest Territories	28. 5 30. 8	9.8	60.9 69.2	0.8	100.0
Canada					100.0
	34, 4	9. 4	54, 0	2, 2	100, 0
Industrial group					
ŭ .					
Food and beverage industries Tobacco products industries	39.9	9,9	40.5	9.7	100.0
Rubber industries	10.5 9.7	2	81.6 90.3	7.9	100.0
Leather industries	21.8	6, 5	71.7		100.0
Textile industries	24.2	9.7	66.1	3	100.0
Knitting mills	12.0	6.7	81.3	3	100.0
Wood industries	23.5	11.0 12.5	65.5	_	100.0
Furniture and fixture industries	53.6	11.1	34.3 35.3	3 0.2	100.0 100.0
Paper and allied industries	5, 8	2, 5	91.7	_	100.0
Finding, publishing and allied industries	36.6	9.9	53.3	0, 2	100.0
Primary metal industries	12.0	7.0	81.0	_	100.0
ment industries)	25.3	9, 0	65.6	0 4	100.0
Machinery industries (except electrical mechinery)	7.0	3.1	89. 9	3 0.1	100.0
Transportation equipment industries	24.1	9. 0	66. 9	_	100.0
Electrical products industries	4.9	1.1	94. 0		100.0
Non-metallic mineral products industries Petroleum and coal products industries	25. 2	7.9	66.9	3 3	100.0
Chemical and chemical products industries	11.6	2.9	95.6 85.0	0, 5	100.0 100.0
Miscellaneous manufacturing industries	32.0	9. 1	58, 9	3 0, 5	100.0
					200,0

Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years,

Included with individual ownership.
Included with incorporated companies.

TABLE 32. Percentage Distribution of Employment in the Manufacturing Industries, by Type of Ownership of Establishment,
Province and Industrial Group, 1961

			companies	operatives	Total
Province	1		per cent		
Vewfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Intario danitoba Saskatchewan Itlish Columbia Cukon and Northwest Territories Canada Can	2.7 13.1 6.8 5.7 5.0 2.5 3.7 6.9 4.6 3.3 14.5	1.9 6.7 1.9 2.3 2.1 1.6 2.0 2.9 2.3 1.7	95, 4 73, 9 89, 3 90, 4 92, 0 95, 6 93, 0 78, 3 90, 8	6.3 2.0 1.6 0.9 0.3 1.3 11.9 2.3 1.8	100, 0 100, 0 100, 0 100, 0 100, 0 100, 0 100, 0 100, 0 100, 0

TABL 232, Percentage Distribution of Employment in the Manufacturing Industries, by Type of Ownership of Establishment, Province and Industrial Group, 19611 - Concluded

Province or industrial group	Individual ownership	Partner- ships	Incorporated companies	Co- operatives	Total
Industrial group			per cent		
Food and beverage industries Tobacco products industries Rubber industries Leather industries Lotching industries Rood industries Furniture and fixture industries Faper and aillied industries Primary metal industries Primary metal industries Primary metal industries Metal fabricating industries (except machinery and transportation equipment industries) Machinery industries (except electrical machinery) Transportation equipment industries Electrical products industries Non-metallic mineral products industries Petroleum and coal products industries Chemical and chemical products industries Miscellaneous manufacturing industries Miscellaneous manufacturing industries	7. 2 0. 8 0. 3 3. 6 2. 0 2. 4 6. 3 11. 5 10. 0 0. 2 6. 3 0. 4 0. 4 0. 5 0. 1 2. 9 2. 2 0. 6 4. 6 6. 3	2.8 1.3 1.3 1.7 5.9 4.1 4.3 0.1 2.6 0.3 0.1 1.8 0.3 2.5	85, 1 97, 9 99, 7 95, 1 96, 7 95, 9 87, 8 84, 0 85, 7 99, 7 90, 6 99, 4 94, 8 99, 1 99, 2 99, 8 99, 8 99, 8 99, 8 99, 8	4.9 1.3 - 3 - 0.4 5 - 0.5 - 0.3 - 3 0.1	100, 0 100, 0

Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years.
 Included with individual ownership.
 Included with incorporated companies.

TABLE 33. Percentage Distribution of Employment in the Forty Leading Industries, by Type of Ownership of Establishment, 19611

	Ownership of Es	tablishment,	1001			
No.	Industries	Individual ownership	Partner- ships	Incorporated companies	Co- operatives	Total
1 2 3 4 5	Pulp and paper mills Smelting and refining Petroleum refining Slaughtering and meat packing plants Motor vehicle manufacturers	1.3	- 0,8	100, 0 100, 0 100, 0 96, 0	1.9	100.0 100.0 100.0 100.0 100.0
6 7 8 9 10	Iron and steel mills Sawmills (except shingle mills) Manufacturers of industrial chemicals Pasteurizing plants Miscellaneous food manufacturers	16.0 - 5.6 1.1	5.6 3.6 0.6	100, 0 78, 0 100, 0 79, 6 98, 3	11.2	100. 0 100. 0 100. 0 100. 0 100. 0
11 12 13 14 15	Miscellaneous machinery and equipment manufacturers	0.5 1.7 4.0 21.6 0.1	0.5 1.3 1.0 6.7 0.3	99. 0 97. 0 95. 0 71. 4 99. 6	0, 3	100. 0 100. 0 100. 0 100. 0 100. 0
16 17 18 19 20	Aircraft and parts manufacturers Fruit and vegetable canners and preservers Butter and cheese plants Peed manufacturers Men's clothing factories	0.1 3.0 12.7 14.4 2.3	1.5 3.8 4.7 4.1	99. 9 94. 7 43. 2 57. 1 93. 6	0.8 40.3 23.8	100. 0 100. 0 100. 0 100. 0 100. 0
21 22 23 24 25	Women's clothing factories Breweries Communications equipment manufacturers Synthetic textile mills Cotton yarn and cloth mills	2.5 	5,3 , –	92. 2 100. 0 99. 8 100. 0 99. 9	= = = = = = = = = = = = = = = = = = = =	100. 0 100. 0 100. 0 100. 0 100. 0
26 27 28 29 30	Sash and door and planing mills (excluding hardwood flooring) Printing and bookbinding Tobacco products manufacturers Wire and wire products manufacturers Flour mills	11.4 11.0 0.9 175 0.8	3.9 5.3 1.1 0.9	84.7 82.1 99.1 97.4 98.3	1.6 	100. 0 100. 0 100. 0 100. 0 100. 0
31 32 33 34	Miscellaneous metal fabricating industries Manufacturers of electrical industrial equipment Fabricated structural metal industry Manufacturers of major appliances (electric and non-electric)	1.3 0.1 —	1,4 3 2	97.3 99.9 100.0 100.0		100, 0 100, 0 100, 0 100, 0
35 36 37 38 39 40	Household furniture industry Other paper converters Railroad rolling stock industry Rubber tire and tube manufacturers Shoe factories Soft drink manufacturers	13, 1 0, 5 — 3, 1 5, 0	5.3 0.5 — 0.7 3.6	81.6 99.0 100.0 100.0 96.2 91.4	2	100. 0 100. 0 100. 0 100. 0 100. 0 100. 0

¹ Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years.
² Included with induvidual ownership.

TABLE 34. Principal Statistics of the Manufacturing Industries, by Province and Type of Ownership, 1961¹

Province and type of ownership	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling val of factor shipment
Canada:	nui	mber		d	ollars	
	11 100					1
Individual ownership Partnerships	11, 160 3, 058	46, 798	118, 172, 562	9, 764, 608	222, 820, 167	425, 309,
Incorporated companies	17, 439	23,516	65, 952, 002 5, 010, 958, 170	4,527,970	118, 811, 580	231, 381,
Co-operatives	758	10, 985	36, 364, 235	495, 485, 228 5, 606, 949	12, 499, 597, 272 286, 478, 957	23, 220, 760, 365, 843,
Totals	32, 415	1, 264, 946	5, 231, 446, 969	515, 384, 755		
Newfoundland:		-,,	0, 201, 110, 308	313, 364, 133	13, 127, 707, 976	24, 243, 294,
Individual ownership Partnerships	133	271	498, 669	34,947	632, 245	1, 363,
Incorporated companies	76 129	184	382,654	34, 947 20, 713	503, 292	953,
Totals		9, 441	35,088,482	7,008,384	59, 493, 331	134, 907,
100013	338	9, 896	35, 969, 805	7, 064, 044	60, 628, 868	137, 224,
Prince Edward Island:						
Individual ownership	72	226	260 260	54 440		
Partnerships	23	116	362, 369 237, 914	54, 119 22, 267	970, 287	1, 565, 9
Incorporated companies	53	1, 273	3, 446, 407	369, 587	454, 558 18, 499, 301	856, 9 26, 021, 9
Co-operatives	8	109	160, 784	17, 045	1, 266, 912	1, 596,
Totals	156	1, 724	4, 207, 474	463, 018	21, 191, 058	30, 041, 0
lova Scotia:				,	12,202,000	00, 011,
Individual ownership	400					
Partnerships	436 102	1, 815 500	3, 338, 696	360, 531	6, 708, 684	12, 362, 7
Incorporated companies	441	23, 941	928, 760 83, 267, 121	99, 464	2, 192, 663 190, 077, 436	4, 116, 6
Co-operatives	23	545	1, 384, 679	9, 378, 130 173, 501	7, 484, 704	349, 186, 8 9, 640, 6
Totals	1,002	26, 801	88, 919, 256			
	.,	23,001	00, 515, 800	10, 011, 626	206, 463, 487	375, 306, 9
iew Brunswick:						
Individual ownership Partnerships	290	1, 281	2, 353, 415	341, 276	6, 468, 117	10,671,1
Incorporated companies	61 343	527	1, 071, 247	109, 799	3, 132, 701	5,041,
Co-operatives	14	20, 282 353	69, 532, 059 935, 647	14, 785, 452	205, 119, 164	371, 291, 1
Totals	708			178, 879	8, 330, 746	10, 453, 1
	100	22, 443	73, 892, 368	15, 415, 406	223, 050, 728	397, 456, (
uebec:						
Individual ownership	4,464	21, 239	51, 054, 238	3, 881, 945	107 057 710	100 000 1
Partnerships	896	9,062	24, 619, 610	1, 448, 720	107, 657, 710	196, 879, 6 83, 865, 7
Incorporated companies Co-operatives	5, 189 406	389, 852	1, 541, 093, 524	1,448,720 150,031,926	41,577,513 3,732,505,889 100,678,436	6, 921, 938,
		3,576	9, 804, 817	1,773,369	100, 678, 436	124, 573, 5
Totals	10, 955	423, 729	1, 626, 572, 189	157, 135, 960	3, 982, 419, 548	7, 327, 257, 6
ntario:						
Individual ownership	3,542	14, 639	41 422 000	0.000.044		
Partnerships	1, 184	9, 451	41, 423, 089 28, 556, 315	3,362,641 1,858,255	75, 089, 572	146, 113, 9
Incorporated companies	7, 203	565, 542	2, 521, 229, 066	230, 425, 547	53, 781, 685 6, 157, 254, 492	101, 764, 5 11, 645, 533, 8
Co-operatives	152	1, 783	6, 199, 779	1,063,088	51, 167, 070	63, 917, 2
Totals	12, 081	591, 415	2, 597, 408, 249	236, 709, 531	6, 337, 292, 819	11, 957, 329, 5
nitoba:						
Individual ownership	485	1 500	0 000 544			
Partnerships Incorporated companies	144	1, 536 819	3, 966, 541 2, 338, 736	327, 471 171, 516	6, 687, 035	13, 076, 3
incorporated companies	760	38,310	149, 337, 296	15, 496, 556	4, 275, 696 417, 320, 753	8, 152, 6 731, 727, 8
Co-operatives	27	547	1, 659, 787	248, 424	13, 156, 838	16, 937,
Totals	1,416	41, 212	157, 302, 360	16, 243, 967	441, 440, 322	769, 894, (
skatchewan:				,,	~~~, ~~~, 0.00	100, 00%,
Individual ownership	258	835	2, 100, 015	208, 273	2, 119, 455	5, 477, 4
ncorporated companies	65 305	356 9,510	918, 898 39, 958, 462	107, 666	1, 895, 958	3, 534, 9
Co-operatives	47	1, 448	5, 970, 387	6, 359, 827 984, 646	173, 520, 467 41, 279, 342	279, 498, 8
Totals	675	12, 149	48, 947, 762	7, 660, 412		55, 921, 0
		20,220	20, 021, 100	1,000,412	218, 815, 222	344, 432, 2
perta:						
ndividual ownership	476	1, 726	4, 536, 145	400,036	5, 804, 075	13, 316, 3
Partnershipsncorporated companies	164 876	870	2, 412, 137	266, 544	4, 583, 485	9, 096, 1
o-operatives	53	34, 444	147, 482, 630 2, 917, 572	16, 258, 356	533, 129, 488	881, 060, 8
Totals	1, 569	37, 921	-	346, 559	25, 215, 813	30, 353, 1
	1, 309	31,921	157, 348, 484	17, 271, 495	568, 732, 861	933, 826, 4
tish Columbia:						
ndividual ownership	1,000	3, 210	8, 473, 200	788, 388	10 620 424	04.040.4
artnerships	343	1, 631	4, 485, 731	423.026	10, 639, 434 6, 414, 029	24, 340, 1
ncorporated companies	2, 132	90, 944	419, 931, 363	45, 339, 781	1, 010, 265, 166	13, 999, 0 1, 876, 485, 7
Co-operatives	27	1, 733	7, 307, 482	806, 376	37, 754, 378	52, 266, 5
Totals	3, 502	97, 518	440, 197, 776	47, 357, 571	1, 065, 073, 007	1, 967, 091, 43
kon and Northwest Territories:						, , ,
individual ownership	4	00	00 100			
incorporated companies	9	20 118	66, 185 615, 061	4,981	43, 553	142, 83
Totals	13	138	681, 246	46, 744 51, 725	2, 556, 503	3, 291, 30
					2, 600, 056	3, 434, 13

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

GENERAL REVIEW

TABLE 35. Principal Statistics of the Manufacturing Industries, by Industrial Group and
Type of Ownership, 1961¹

	Ty	pe of Owner	rship, 1961 ¹			
Industrial group and type of ownership	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	num	ber	•	dol	lars	
Food and beverage industries:			1			
Individual ownership	2,973 734	13,506	31, 434, 991	4,779,306	118, 454, 286	178, 256, 049
Partnerships Incorporated companies	3,016	5,348 160,675	13, 799, 713 612, 822, 276	1,941,602 58,538,671	47, 497, 244 2, 722, 983, 641	74, 459, 645 4, 328, 296, 114
Co-operatives	721	9,326	29, 938, 993	4,966,484	259, 738, 017	324, 422, 520
Totals	7,444	188, 855	687, 995, 973	70, 226, 063	3, 148, 673, 188	4, 905, 434, 328
Tobacco products industries: Incorporated companies	31	0.040	20 607 200	1 004 005	000 500 004	000 405 050
Co-operatives Other ownership	3	9, 242	38, 697, 299 284, 269	1,004,297 24,135	203, 523, 884 1, 561, 206	332, 435, 376 2, 108, 599
	4	71	172,310	6,770	212,015	439, 261
Totals	38	9, 442	39, 153, 878	1, 035, 202	205, 297, 105	334, 983, 236
Rubber industries:		40.040				
Incorporated companies Other ownership	84	18,810	81, 895, 319 108, 466	5, 269, 680 6, 367	148, 606, 327 77, 627	330, 849, 974 284, 739
Totals	93	18, 860	82, 003, 785	5, 276, 047	148, 683, 954	331, 134, 713
Leather industries: Individual ownership	121	1, 140	2,992,189	64,757	4, 546, 176	9, 125, 809
Partnerships	36 398	405 29, 868	1,061,069	21,615	1,530,313	9, 125, 809 3, 253, 899
Incorporated companies	555	31, 413	85, 520, 985 89, 574, 243	2, 187, 614	145, 329, 980	278, 688, 815
Totals	300	31, 413	05, 314, 243	2, 273, 986	151, 406, 469	291, 068, 523
Textile industries: Individual ownership	214	1,244	2, 952, 962	194 175	9 499 057	9 125 200
Partnerships	85	791	2,014,531	124, 175 84, 434	3, 423, 957 2, 694, 749	8, 135, 300 6, 009, 271
Incorporated companies	584	60, 509	207, 590, 296	14, 904, 746	461,882,343	861, 143, 129
Totals	883	62, 544	212, 557, 789	15, 113, 355	468, 001, 049	875, 287, 700
Knitting mills:	40	F0.0	1 111 000			
Individual ownership Partnerships	43 24	506 365	1,144,293 857,140	41,327 16,081	2, 686, 644 2, 060, 082	4,843,133 3,444,452
Incorporated companies	291	20, 588	55, 467, 949	1,869,516	112, 615, 241	211, 008, 393
Totals	358	21, 459	57, 469, 382	1, 926, 924	117, 361, 967	219, 295, 978
Clothing industries:						
Individual ownership Partnerships	541 256	5, 517 5, 149	11,945,842 13,793,774	226, 871 174, 083	14, 253, 528 19, 081, 019	31, 615, 642 39, 705, 709
Incorporated companies	1,510	77, 062	208, 648, 863	2, 618, 006	394, 188, 833	730, 214, 140
Totals	2, 307	87, 728	234, 388, 479	3, 018, 960	427, 523, 380	801, 535, 491
Wood industries:						
Individual ownership	2,784 655	9, 227 3, 271	19,427,716 7,457,459	2, 166, 923	31, 798, 397	65, 639, 263
Partnerships Incorporated companies	1,803	67, 247	252, 399, 168	792, 148 17, 284, 555	12, 435, 368 537, 920, 781	25, 516, 120 939, 491, 008
Co-operatives	9	297	1,046,361	95,920	2,638,205	4, 697, 227
Totals	5, 251	80, 042	280, 330, 704	20, 339, 546	584, 792, 751	1, 035, 343, 618
Furniture and fixture industries: Individual ownership	1,120	3,306	9, 791, 087	435, 554	10, 568, 426	26, 086, 578
Partnerships	232	1,430	4,493,871	171,117	7, 513, 581	14, 464, 596
Incorporated companies	737 2, 089	28, 417 33, 153	98, 160, 715 112, 445, 673	3,300,310 3,906,981	156, 553, 113 174, 635, 120	321, 510, 931 362, 062, 105
	.,,,,,,	35, 255	120, 110, 010	3, 500, 551	114, 033, 120	302, 002, 103
Paper and allied industries: Individual ownership	33	191	519,401	21, 208	1, 177, 561	2,080,749
Partnerships	14 522	135	445, 863	22,981	1,011,432	1,809,276
Totals	569	94, 536 94, 862	470, 171, 901 471, 137, 165	122, 245, 303 122, 289, 492	1,019,313,889 1,021,502,882	2, 201, 844, 030 2, 205, 734, 055
Printing, publishing and allied industries:					_,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Individual ownership	1,254	4, 565	15, 399, 958	501,530	12, 353, 480	38,810,806
Partnerships	340 1,827	1,924 65,935	6, 744, 690 304, 321, 839	181,669	5, 116, 221	15, 999, 488
Co-operatives	7	355	1,434,383	5,838,074 28,360	257, 260, 744 986, 269	814, 595, 885 2, 886, 158
Totals	3, 428	72, 779	327, 900, 870	6, 549, 633	275, 716, 714	872, 292, 337
Primary metal industries:	40	0.04	000 M40			
Individual ownership Partnerships	49 29	264 227	699, 710 820, 637	61,493 126,592	741,989 3,187,932	1,896,896 4,727,110
Incorporated companies	332	86,747	456, 099, 004	87, 709, 917	1, 587, 758, 120	2, 799, 859, 781
Totals	410	87, 238	457, 619, 351	87, 898, 002	1,591,688,041	2, 806, 483, 787

See footnote at end of table.

112

TABLE 35. Principal Statistics of the Manufacturing Industries, by Industrial Group and

Type of Ownership, 1961* — Concluded

Industrial group and type of ownership	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory
	num	ber		doll		shipments
Makal Salatan Manual Annatan				dott	ars	
Metal fabricating industries (except machinery and transportation equipment industries):						
Individual ownership	723	0.010				
	256	2,812 1,800	8, 998, 953	552, 651	9, 171, 558	23, 485, 07
incorporated companies	1,875	89,724	6, 302, 604 405, 532, 707	331, 203	7, 482, 877	17, 545, 82
Co-operatives	5	275	1,081,680	18,022,618	715, 103, 681	1,446,961,23
Totals	9 980			53, 198	2,642,010	4,698,70
	2, 859	94, 611	421, 915, 944	18, 959, 670	734, 400, 126	1, 492, 690, 84
Machinery industries (except electrical ma-						
chinery):						
Individual ownership	38	172	584, 331	27, 722	626, 853	1 040 5
Partnerships	17	209	875, 909	22,019	1,078,506	1,643,53 2,471,30
Incorporated companies	491	41,702	194, 146, 205	6,810,519	302, 238, 584	635, 624, 5
Totals	546	42,083	195, 606, 445	6, 860, 260		
	0.20	22,000	153, 000, 413	0, 800, 200	303, 943, 943	639, 739, 4
ransportation equipment industries: Individual ownership	162	540	1 100 110			
Partnerships	60	549 330	1,483,118	75, 633	1,474,647	3,843,0
Partnerships Incorporated companies	449	106,830	978, 742 520, 008, 487	40,735	963,717	3, 154, 0
				20,007,307	1, 127, 731, 794	1,953,780,0
Totals	671	107, 709	522, 470, 347	20, 123, 675	1, 130, 170, 158	1, 960, 777, 1
lectrical products industries:						
Individual ownership	26	118	282,127	29,026	664,112	1,155,6
Partnerships	6	77	309,411	8,066	483, 995	1,010,73
Incorporated companies	499	79,336	352, 976, 541	11, 299, 297	584, 203, 447	1,203,367,90
Totals	531	79, 531	353, 568, 079	11, 336, 389	585, 351, 554	1, 205, 534, 3
on-metallic mineral products industries:						
Individual ownership	326	1,178	2,999,599	329, 327	3,264,219	0 501 0
Partnerships	102	725	2,107,848	459, 184	2, 123, 391	8,721,92 6,732,13
Incorporated companies	864	38,225	168, 979, 739	45, 712, 428	244, 728, 798	659, 558, 7
Totals	1, 292	40, 128	174, 087, 186	46, 500, 939	250, 116, 408	675, 012, 8
			272,001,200	20,000,000	200, 110, 408	075, 012, 81
etroleum and coal products industries: Incorporated companies	87	13,748	00 407 057			
Other ownership	4	305	83, 467, 355	10,980,137	907, 371, 128	1,200,777,4
	- 1		1,872,509	371,065	13, 259, 210	19, 416, 28
Totals	91	14,053	85, 339, 864	11, 351, 202	920, 630, 338	1, 220, 193, 76
hemical and chemical products industries:						
Individual ownership	124	298	848, 838	49, 685	1,409,228	2,990,33
Partnerships	32	138	340, 268	23, 579	547, 461	1,372,82
Incorporated companies	911	51,685	252,641,781	54,600,578	618, 134, 039	1,425,243,59
Co-operatives	5	46	173, 406	19,974	3,853,127	4, 271, 41
Totals	1,072	52, 167	254, 004, 293	54, 693, 816	623, 943, 855	1, 433, 878, 1
iscellaneous manufacturing industries:						
Individual ownership	616	2, 121	6,482,587	264, 830	5,966,945	10 907 7
Partnerships	177	1, 149	3, 427, 860	109, 728	3,917,923	16, 397, 76 9, 488, 65
Incorporated companies	1,135	43,019	161, 967, 072	5, 330, 055	253, 984, 106	548, 926, 17
Totals	1, 928	46, 289	171, 877, 519			
A U U U U U U U U U U U U U U U U U U U	1, 368	40, 409	111, 811, 319	5, 704, 613	263, 868, 974	574, 812, 59

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment concept; not directly comparable with previous years.

SECTION B. SIZE OF MANUFACTURING ESTABLISHMENTS BASED ON THE NUMBER OF EMPLOYEES

In 1929, establishments with 501 or more employees accounted for 27.2 per cent of the number of employees engaged in manufacturing. The tendency then in evidence of increasing concentration into larger units was checked by the depression, the percentage dropping to 20.5 in 1933, (central electric stations included), but rising again to 25.6 in 1939. The same holds true for establishments with 101 or more employees. In 1929 they employed 61.8 per cent, in 1933, 55.7 per cent and in 1939, 61.5 per cent of the total.

The effect of the Second World War on the concentration of industries into large units is illustrated by the increase in the number of establishments with 500 or more employees. In 1939 such establishments numbered 172 and employed 25.6 per cent of the total number of employees engaged in manufacturing. By 1944 the number had increased to 383 and the percentage of total employees to 46.9. In a further subdivision of this group in

1944 it was found that 226 establishments employed between 500 and 999 persons, 56 between 1,000 and 1,499 and 101 employed over 1,500. Altogether, there were 12 plants employing over 7,000 persons, the largest having an employment of a little over 13,000 with the next three largest employing between 9,000 and 9,999. Three other plants employed between 8,000 and 8,999 persons, while the lowest five plants in this group employed between 7,000 and 7,999 workers.

With the resumption of peace-time production, the larger establishments declined in size, so that by 1961 only 52 establishments employed over 1,500 employees, as compared with 101 in 1944. In 1961 there were only seven establishments with 5,000 or more persons. Only two reported more than 10,000 employees, one reported between 9,000 and 9,999, one between 7,000 and 7,999, one between 6,000 and 6,999, and two between 5,000 and 5,999.

TABLE 36, Establishments in the Manufacturing Industries classified by Number of Employees, Selected Years, 1929 - 61

		1929	^{1,2}			193	39 ²	
Employee group	Establish- ments	Employees	Average per establish- ment	Proportion of total employment	Establish- ments	Employees	Average per establish- ment	Proportion of total employment
		number		per cent		number		per cent
Under 5 employees	12, 273	30, 446	2.5	4.4	13,002	28,020	2. 2	4.3
5 to 20 employees	6, 160	62, 310	10.1	9.0	6,985	68, 151	9.8	10. 4
21 ** 50 **	2,531	81,846	32. 3	11.8	2, 330	75, 324	32. 3	11.4
51 " 100 "	1, 262	90, 238	71.5	13.0	1, 158	81,646	70.5	12.4
101 " 200 "	745	103, 944	139.5	15.0	695	97, 063	139.7	14.7
201 " 500 "	444	136, 397	307. 2	19.6	458	139, 687	305.0	21. 2
501 employees and over	182	189, 253	1,039.9	27.2	172	168, 168	977.7	25.6
Totals and averages	23, 597	694, 434	29. 4	100.0	24,800	800 658, 059 26. 5		100.0
		19	443			pr		
Under 5 employees	13, 208	29,958	2.3	2. 4	16, 647	34, 865	2. 1	3.0
5 to 14 employees	7, 111	58, 404	8.2	4.8	9, 133	75, 482	8.3	6.4
15 ** 49 **	4,615	124, 408	27.0	10.2	5, 967	159,012	26.7	13.6
50 " 99 "	1,622	113,869	70.2	9.3	1,905	132, 069	69.3	11.3
100 ** 199 **	900	126, 192	140.2	10.3	1, 114	156, 084	140.1	13.3
200 " 499 "	644	196, 707	305.4	16.1	694	213, 130	307.1	18, 2
500 " 999 "								
1,000 " 1,499 "	383	573, 344	1,497.0	46.9	332	391, 455	1, 179. 1	33. 4
1,500 employees and over								
Head offices	_	-	_	-	_	9, 110	0.1	0.8
Totals and averages	28, 483	1, 222, 882	42.9	100. 0	35, 792	1, 171, 207	32. 7	100. 0
		19	54			19	615	
Under 5 employees	17,807	37,064	2. 2	2. 9	12,071	27, 788	2. 3	2. 2
5 to 14 employees	9,705	79,733	8. 2	6.3	9, 239	76,825	8.3	6. 1
15 ** 49 **	6, 235	166, 443	26.7	13.1	6, 434	173, 974	27.0	13.8
50 ** 99 **	2, 055	141.035	68.6	11.1	2, 276	157, 952	69.4	12.5
100 " 199 "	1,130	156, 362	138. 4	12.3	1,249	173, 351	138.8	13. 7
200 '' 499 ''	726	221, 172	304.6	17.5	809	244, 688	302. 5	19.3
500 ** 999 **	242	168,374	695.8	13.3	228	158.965	697. 2	12. 6
	66	80,003	1, 212. 2	6.3	57	71,500	1, 254. 4	5. 6
1,000 " 1,499 "								
1,000 " 1,499 "	62	201, 973	3, 257. 6	16.0	52	163, 973	3, 153, 3	12.9
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	62	201, 973	3, 257. 6	16.0	52	163, 973	3, 153. 3	12.9

¹ Includes central electric stations, dyeing, cleaning and laundry establishments. ² Exclusive of Yukon and the Northwest Territories and Newfoundland.

An analysis of the degree of concentration of manufacturing in establishments with 200 or more employees in the 25 leading industries shows a wide variation in the proportion that such establishments contributed to the total output of individual industries in 1961. In six of these industries, such establishments accounted for over 90 per cent of the total value of factory shipments: motor vehicle manufacturers, 98.9; smelting and refining, 98.2; pulp and paper mills, 95.1; iron and steel mills, 94.2; aircraft and parts manufacturers, 92.2; and cotton yarn and cloth mills, 91.7 per cent. In only three of the top 25 industries did the proportion of total shipments accounted for by such establishments fall below 30 per cent: women's clothing factories where the nine establishments in this category accounted for only 8.0 per cent of total shipments, and butter and cheese plants and feed manufacturers, neither of which had any establishments with 200 or more employees.

^{*} Exclusive of runon and the nonthreas formation and the north case of the plant.

4 Under this heading are included only those head offices which are not located at the plant.

5 Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with the previous years.

TABLE 37. Number and Relative Importance of Establishments with 200 or More Employees in the Twenty-five Leading Industries, 1961

No.	Industry	Number of such establishments	Percentage of total number in the industry	Percentage of total shipments in the industry
1 2 3 4 5 6 7 8 9 10 11 12	Pulp and paper mills Smelting and refining. Petroleum refining. Staughtering and meat packing plants Motor vehicle manufacturers Iron and steel mills Sawmills Manufacturers of industrial chemicals Pasteurizing plants Miscellaneous food manufacturers Miscellaneous machinery and equi ment manufacturers Metal stampling, pressing and coating industry	21 18 34 9 18 23 16 21	67. 2 87. 5 40. 9 14. 0 52. 9 42. 9 0. 7 12. 5 2. 9 3. 7 7. 9	95.1 98.2 78.5 72.9 98.9 94.2 33.6 67.8 31.9 31.2
14 14 15	Motor vehicle parts and accessories manufacturers	30 27 16	4.0 1.1 12.7	68. 4 35. 2 74. 4
16 17 18 19 20	Aircraft and parts manufacturers Fruit and vegetable canners and preservers Butter and cheese plants Feed manufacturers Men's clothing factories	23 14 — — 32	28.8 4.2 — 6.6	92.2 41.6 —
21 22 23	Women's clothing factories Breweries Communications equipment manufacturers Synthetic textile mills Cotton yarn and cloth mills	9 10 21 19 23	1.4 18.5 16.8 33.9 59.0	8.0 59.7 80.3 79.7 91.7

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

The degree of regional concentration of manufacturing in large establishments is illustrated by the fact that, of the 337 establishments in Canada with 500 or more employees in 1961, almost half were in Ontario and over one third in Quebec. The 157 establishments in this category in Ontario accounted for 43.0 per cent of the total value of that province's factory ship-

ments and 21.2 per cent of the Canadian total. Comparable percentages for the other provinces and regions were: Quebec, 36.8 and 11.7; the Atlantic Provinces, 31.8 and 1.2; British Columbia, 29.1 and 2.4; and the Prairie Provinces, 18.3 and 1.5. There were no plants in either Prince Edward Island or the Yukon and Northwest Territories with 500 or more employees.

TABLE 38. Number and Relative Importance of Establishments with 500 or More Employees, by Province or Region, 1961¹

Province	Number of such establishments	Percentage of total number in Canada	Percentage of total shipments in Canada	Percentage of total shipments in province or region
Newfoundland Prince Edward Island Nova Scotla New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia	2 -6 7 120 157 9 1 9	35.6 46.6 5.7	1.2 11.7 21.2 1.5	31.8 36.8 43.0 18.3
Yukon and Northwest Territories	337	100.0	38.0	38.0

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

TABLE 39. Manufacturing Establishments, classified by Number of Employees per Establishment and by Province, 1961

Province	Up to 199	200 to 499	500 to 999	1,000 to 1,499	1,500 or over	Total
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Yukon and Northwest Territories Canada	331 155 979 688 10,569 11,536 1,383 665 1,532 3,418 13	5 1 17 13 266 388 24 9 28 58		1 1 1 22 27 27 2 - - 3	1 -1 1 17 28 1 - - 3 -	338 156 1,002 708 10,955 12,081 1,416 675 1,569 3,502 13

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

TABLE 40. Principal Statistics of the Manufacturing Industries, by Industrial Group and Number of Employees per Establishment, 1961

	Employee	s per Estab	lishment, 1961	1		
Industrial group and employee group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nun	nber		d	ollars	
All manufacturing industries: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 " 1,499 " 1,500 employees and over Head offices	12,071 9,239 6,434 2,276 1,249 809 228 57 52	27, 788 76, 825 173, 974 157, 952 173, 351 244, 688 158, 965 71, 500 163, 973 15, 930	70,899,120 244,712,791 601,294,267 566,439,216 658,730,041 1,028,359,342 737,224,213 353,525,463 864,165,061 106,097,465	6,904,338 20,934,820 44,258,203 43,045,919 61,695,556 99,413,689 99,102,976 59,760,974 80,268,280	192, 939, 010 612, 356, 968 1, 467, 666, 847 1, 495, 527, 348 1, 788, 154, 880 2, 705, 592, 754 1, 914, 259, 295 968, 135, 513 1, 983, 075, 361	332,585,914 1,092,658,388 2,678,001,532 2,718,508,831 3,279,907,234 4,937,312,556 3,629,735,198 1,765,708,258 3,808,877,038
Totals	32,415	1, 264, 946	5, 231, 446, 969	515, 384, 755	13, 127, 707, 976	24, 243, 294, 949
Food and beverage industries: Under 5 employees 5 to 14 employees 15 " 49 " " " " " " " " " " " " " " " " "	2,948 2,579 1,141 382 216 136 35 7	7,747 20,438 29,720 26,367 29,910 39,673 23,563 9,898 1,539	17, 717, 988 57, 422, 821 95, 459, 407 92, 055, 950 107, 615, 764 157, 830, 725 101, 167, 245 48, 899, 887 9, 826, 186 687, 995, 973	3, 284, 344 9, 541, 013 13, 240, 141 11, 812, 973 10, 894, 188 11, 578, 535 6, 916, 870 2, 957, 999	106,564,800 292,472,161 465,394,772 480,568,035 507,143,111 624,969,132 424,350,173 247,211,004 3,148,673,188	144, 393, 360 424, 057, 004 700, 667, 412 738, 037, 618 815, 505, 154 1, 021, 814, 168 692, 408, 768 368, 550, 844 4, 905, 434, 328
Tobacco products industries: Under 15 employees	6 8 5 6 7 6	42 209 394 966 1,877 5,948	90,044 569,043 1,123,832 3,246,070 7,024,844 27,083,204 16,841	9,210 38,182 71,199 188,704 274,242 453,665	306,324 1,958,771 4,985,985 66,370,472 35,300,278 96,375,275	463,693 3,579,561 9,199,441 83,849,046 60,629,772 177,261,723
Totals	38	9, 442	39, 153, 878	1,035,202	205, 297, 105	334, 983, 236
Rubber industries: Under 5 employees 5 to 14 employees 15 "49 "" 50 "99 " 200 "499 " 200 "499 " 1,000 employees and over Head offices Totals	17 13 20 11 11 9 10 8 5	43 135 581 806 1,180 3,507 5,340 7,018 250	128,303 465,743 2,209,190 2,618,670 4,693,231 14,584,922 21,604,207 34,138,743 1,560,776	4, 861 31, 236 165, 029 220, 539 426, 936 1, 051, 043 1, 226, 778 2, 149, 625 5, 276, 047	122,133 1,389,046 5,622,744 3,471,840 10,872,791 24,900,061 31,107,270 71,198,069	330,180 2,491,691 10,193,788 9,777,934 25,760,387 59,854,113 71,897,311 150,829,309 331,134,713
Leather industries: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " Totals	113 108 142 92 68 28 4	240 989 4,054 6,370 9,699 7,658 2,403 31,413	619, 795 2, 541, 452 11, 119, 943 17, 027, 297 28, 403, 108 22, 801, 624 7, 061, 024 89, 574, 243	35, 783 71, 559 327, 302 327, 437 680, 857 576, 405 254, 643 2, 273, 986	1, 296, 698 3, 674, 162 18, 054, 446 26, 602, 898 48, 802, 663 41, 615, 187 11, 360, 415 151, 406, 469	2,390,007 7,629,724 36,669,866 53,003,419 93,759,612 76,032,306 22,183,589 291,068,523
Textile industries:						1
Under 5 employees 5 to 14 employees 5 to 14 employees 5 to 99 5 to 199 5 to 199 5 to 199 5 to 199 5 to 1999	183 266 227 82 48 55 15 3	464 2, 293 6, 173 5, 709 6, 642 16, 822 10, 762 4, 100 7, 515 2, 064	1, 199, 267 6, 348, 995 18, 337, 138 17, 944, 318 21, 705, 288 54, 994, 587 37, 291, 009 15, 861, 398 26, 536, 653 12, 339, 136	55,960 301,351 1,059,899 1,147,733 1,502,465 3,642,379 2,936,298 1,385,330 3,081,940	2,698,524 11,648,773 50,186,549 47,995,656 59,881,458 126,325,726 74,453,444 53,096,591 41,714,328	5, 151, 318 23, 048, 918 84, 857, 773 83, 974, 059 97, 649, 926 226, 913, 919 146, 650, 816 109, 981, 078 97, 059, 893
Totals	883	62, 544	212, 557, 789	15, 113, 355	468,001,049	875, 287, 700
Knitting mills: Under 5 employees 5 to 14 employees 15 " 49 " " 50 " 99 " 100 " 199 " 200 employees and over Head offices	40 67 133 58 38 22	107 665 3,816 4,104 5,293 7,182	297, 854 1, 699, 719 9, 801, 243 11, 327, 558 14, 516, 472 18, 527, 829 1, 298, 707	14,597 56,365 298,413 407,277 461,804 688,468	2, 252, 670 5, 425, 479 22, 350, 913 27, 941, 148 27, 897, 084 31, 494, 673	3,094,882 8,408,913 40,599,959 49,009,003 52,691,371 65,491,850
Totals	358	21, 459	57, 469, 382	1, 926, 924	117, 361, 967	219, 295, 978

TABLE 40. Principal Statistics of the Manufacturing Industries, by Industrial Group and Number of Employees per Establishment, 1961¹ — Continued

Industrial group and employee group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
Clothing industries:	nur	nber		Ċ	lollars	
Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 employees and over Head offices	422 583 808 311 130 45	1,036 5,260 23,209 21,672 18,006 12,553 5,799 193	3,241,795 15,157,903 62,041,521 56,174,659 47,168,307 32,896,472 16,569,850 1,137,972	97,310 291,520 840,907 644,591 591,356 384,997 168,279	12,856,140 45,617,611 108,796,999 103,241,685 81,502,299 49,366,410 26,142,236	19,760,814 72,101,532 205,368,057 194,071,684 159,005,552 101,407,371 49,820,481
Totals	2,307	87, 728	234, 388, 479	3, 018, 960	427, 523, 380	801, 535, 491
Wood industries: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 employees and over Head offices	2,905 1,276 748 201 72 38	5,808 10,629 19,974 13,829 9,653 11,009 8,515 625	10,576,686 28,814,268 65,137,724 49,879,056 35,445,489 46,915,089 39,261,684 4,300,708	1,203,630 3,098,505 6,263,814 3,750,382 2,272,298 2,059,263 1,691,654	18,129,966 54,484,462 150,276,602 107,705,721 73,507,233 90,544,884 90,143,883	38, 198, 430 104, 068, 746 265, 799, 265 191, 719, 159 132, 855, 130 160, 217, 394 142, 485, 494
Totals	5, 251	80,042	280, 330, 704	20, 339, 546	584, 792, 751	1,035,343,618
Furniture and fixture industries; Under 5 employees 5 to 14 employees 15 " 49 " 50" 99 " 100" 199 " 200" 499 " Totals	1,163 440 306 116 47 17 2,089	2,350 3,613 8,247 7,674 6,270 4,999	6,556,528 11,787,369 28,302,775 25,973,718 22,192,495 17,632,788 112,445,673	349, 131 418, 724 972, 721 891, 962 695, 165 579, 278 3, 906, 981	7, 250, 711 15, 798, 303 49, 421, 743 46, 495, 021 33, 773, 427 21, 895, 915 174, 635, 120	17, 706, 802 34, 332, 218 96, 523, 837 92, 059, 380 70, 972, 652 50, 467, 216 362, 062, 105
Paper and allied industries: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 " 1,499 " 1,500 employees and over Head offices Totals	51 82 166 83 71 66 34 13 3	129 738 4,937 6,052 10,433 22,296 24,283 17,331 5,357 3,306 94,862	361, 538 2, 417, 095 17, 073, 426 23, 583, 302 43, 676, 655 105, 538, 961 131, 060, 215 95, 323, 048 28, 786, 940 23, 315, 985 471, 137, 165	23,997 133,671 1,147,326 2,727,612 5,227,658 27,842,469 43,960,849 33,464,844 7,761,066	1, 228, 361 7, 273, 022 46, 857, 142 69, 620, 548 124, 419, 810 275, 134, 756 276, 705, 041 174, 931, 250 45, 332, 952	2, 117, 523 12, 726, 829 81, 239, 852 124, 269, 856 220, 018, 650 545, 339, 580 661, 330, 563 422, 835, 939 135, 675, 263
Printing, publishing and allied industries:						.,,,
Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 1,000 employees and over Head offices Totals	1,556 1,068 536 139 78 36 9 6	3,481 8,747 13,555 9,728 10,999 11,378 6,165 8,604 122 72,779	11, 163, 780 32, 722, 802 56, 115, 434 41, 450, 218 50, 244, 551 54, 763, 123 31, 474, 802 49, 189, 026 777, 134	411, 032 835, 988 1, 259, 588 864, 504 872, 232 1, 078, 761 451, 742 775, 786	11, 871, 598 26, 552, 042 48, 304, 175 32, 643, 736 41, 211, 810 44, 258, 046 34, 915, 433 35, 959, 874	32, 131, 002 80, 890, 600 145, 506, 289 103, 284, 623 133, 817, 302 148, 416, 398 100, 875, 242 127, 370, 881 872, 292, 337
Primary metal industries: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 "1,499 " 1,500 employees and over Head offices Totals	61 90 107 53 34 33 15 4 13	147 788 3,080 3,649 4,679 9,453 10,353 4,522 49,748 819 87,238	415, 135 2, 852, 468 12, 110, 070 16, 038, 830 21, 817, 210 45, 872, 204 52, 453, 854 23, 087, 181 277, 456, 514 5, 515, 885	51,346 244,114 1,021,047 1,655,631 3,057,920 11,480,196 17,306,760 8,989,759 44,091,229	658,022 5,442,422 37,587,421 81,874,262 111,517,921 185,016,539 255,717,234 225,967,934 687,906,286	1, 418, 121 10, 641, 349 59, 529, 938 116, 688, 643 162, 410, 61 284, 759, 095 421, 108, 961 279, 528, 299 1, 470, 399, 320
fetal fabricating industries (except machinery and		7.000	11,010,001	200 (000)	_, 000, 000, 041	~; 000; 2 03; (67
transportation equipment industries): Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 199 " 500 employees and over Head offices	833 923 714 187 99 87 16	2,089 7,797 18,779 13,076 13,111 26,633 12,948 178	6,353,778 29,466,624 77,954,030 56,675,530 56,758,476 126,749,034 66,923,810 1,014,662	442,525 1,532,952 3,442,755 2,578,685 2,968,609 5,589,051 2,405,093	8,340,266 37,754,482 131,326,926 114,496,421 94,626,643 243,578,482 104,276,906	20,818,829 89,212,011 273,160,689 224,912,997 202,718,797 475,363,154 206,504,368
Totals	2,859	94, 611	421,915,944	18, 959, 670	734, 400, 126	1, 492, 690, 845

TABLE 40. Principal Statistics of the Manufacturing Industries, by Industrial Group and Number of Employees per Establishment, 1961' — Concluded

			it, 1961' - Co	1		1
Industrial group and employee group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nur	mber		de	ollars	
Machinery industries (except electrical machinery): Under 5 employees	61 152 172 74 44 33 5	164 1,312 4,709 5,110 6,209 9,666 3,781 11,130	578,757 5,189,854 19,565,791 22,752,486 28,709,490 46,634,328 17,280,246 55,879,240	36,585 235,494 777,170 838,896 948,439 1,260,656 1,202,817 1,560,203	1,229,782 9,369,156 33,084,984 41,291,578 42,715,811 66,752,489 33,453,877 76,046,266	2,354,232 19,744,951 71,272,835 81,290,702 97,612,365 152,099,433 64,456,791 150,908,117
Totals	546	42,083	195, 606, 445	6, 860, 260	303, 943, 943	639, 739, 426
Transportation equipment industries: Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 1,000 " 1,499 " 1,500 employees and over Head offices Totals	196 148 134 66 45 44 18 6 14	434 1, 239 3, 759 4, 685 6, 257 13, 745 13, 094 7, 182 56, 700 614 107, 709	1, 109, 506 4, 310, 674 14, 447, 418 19, 390, 255 25, 744, 670 64, 261, 871 62, 603, 965 33, 111, 323 292, 941, 425 4, 549, 240 522, 470, 347	56, 926 181, 852 585, 921 954, 701 1, 405, 271 3, 570, 796 2, 136, 753 1, 172, 266 10, 059, 189	1, 214, 279 5,568, 192 21,336,557 28,983,414 44,898,067 98,501,254 91,694,191 26,493,501 811,480,703	3,371,741 12,477,908 48,404,869 62,530,451 96,818,134 197,843,374 173,729,776 68,664,054 1,296,936,847
Electrical products industries: Under 5 employees	63 87 140 80 60 68 22 6	166 773 4,137 5,499 8,702 20,984 15,311 7,445	543, 886 2, 734, 850 15, 012, 253 19, 234, 031 32, 384, 348 90, 068, 208 71, 535, 962 32, 378, 610	24, 564 119, 985 728, 790 690, 509 1, 288, 162 3, 053, 555 2, 988, 279 809, 891	1,403,583 5,287,877 39,460,219 43,383,325 69,853,644 184,274,238 116,522,651 57,431,387	2,743,526 10,771,327 72,051,733 84,792,781 131,937,535 355,854,941 247,509,257 101,882,952
Totals	5 531	16,064 450 79,531	32, 378, 610 86, 748, 320 2, 927, 611 353, 568, 079	1, 632, 654 11, 336, 389	67, 734, 630 585, 351, 554	197, 990, 269 1, 205, 534, 321
Non-metallic mineral products industries: Under 5 employees	391 460 268 87 55 22 9	968 3,910 7,087 6,080 7,438 6,704 7,443 498	2,401,505 13,304,187 27,905,501 26,219,094 35,159,907 32,776,201 32,992,617 3,328,171	291,539 2,155,018 6,223,830 7,118,137 13,785,327 12,237,897 4,689,191	3,633,804 24,982,990 49,764,549 41,198,769 56,650,603 40,817,556 33,069,046	8,610,528 51,961,643 115,320,018 109,863,885 165,423,884 133,888,851 89,944,007
Totals	1,292	40,128	174, 087, 186	46, 500, 939	250, 116, 408	675,012,816
Petroleum and coal products industries: Under 5 employees. 5 to 14 employees 15 "49 " 50 "99 " 100 "199 " 200 "499 " 500 employees and over Head offices	17 20 13 9 14 14	44 164 423 603 2,108 4,229 3,584 2,898	196,611 692,962 2,058,991 3,294,547 12,459,894 25,164,147 21,743,034 19,729,678	106, 138 127, 199 290, 768 669, 049 2, 433, 264 5, 729, 367 1, 995, 417	1,030,637 3,305,729 17,384,708 34,969,358 152,208,925 403,101,826 308,629,155	1,782,494 5,926,132 28,472,757 49,090,879 205,374,686 530,432,424 399,114,392
Totals	91	14,053	85, 339, 864	11, 351, 202	920, 630, 338	1, 220, 193, 764
Chemical and chemical products industries: Under 5 employees	302 296 266 108 56 26 18	695 2,535 7,257 7,473 7,762 7,762 16,761 1,922	2,184,744 10,261,168 30,764,841 32,844,968 36,789,336 38,372,494 89,175,246 13,611,496	153,933 806,865 4,180,429 4,663,672 11,096,801 6,000,484 27,791,632	5,927,947 35,594,216 112,653,265 105,141,301 89,708,758 79,470,619 195,447,729	12, 130, 745 71, 914, 319 216, 719, 343 231, 128, 232 228, 335, 028 200, 869, 966 472, 780, 525
Totals	1,072	52, 167	254, 004, 293	54, 693, 816	623, 943, 855	1, 433, 878, 158
Miscellaneous manufacturing industries: Under 5 employees. 5 to 14 employees. 15 "49" 50 "99" 100" 199 " 200" 499 " 500 employees and over. Head offices	747 577 385 132 59 24 4	1,674 4,760 10,268 9,072 8,034 7,695 4,634 152	5, 246, 790 16, 416, 667 35, 308, 528 30, 830, 897 29, 999, 280 28, 759, 912 24, 484, 421 831, 024	259, 952 742, 384 1, 394, 171 1, 010, 430 898, 100 891, 825 507, 751	5, 225, 774 20, 414, 734 57, 843, 351 52, 916, 647 50, 592, 350 43, 869, 583 33, 006, 535	14,071,338 49,798,922 122,663,691 109,804,085 103,391,962 100,210,921 74,871,675
Totals	1,928	46, 289	171, 877, 519	5, 704, 613	263, 868, 974	574, 812, 594

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

SECTION C. SIZE OF MANUFACTURING ESTABLISHMENTS BASED ON THE SELLING VALUE OF FACTORY SHIPMENTS

Although historical statistics on the value of manufacturing output in Canada are not strictly comparable because of differences in concept and coverage introduced over the years, there has been a general trend toward large establishments accounting for an increasing proportion of total output. In 1922, when the series on value groups was first compiled, 420 establishments each producing \$1,000,000 and over accounted for 51 per cent of total production. By 1929 there had been a substantial increase in both numbers and proportion, with 719 establishments in this category producing 62 per cent of the total. Although the number of establishments and their proportion of the total had dropped rather sharply by 1932 to 482 and 53 per cent, respectively, these had again increased to 601 and 57 per cent of the total in 1939.

With the increased production associated with the war effort, the number of plants with output valued at \$1,000,000 and over more than doubled to 1,376 in 1944, accounting for 75 per cent of the total value of manufactures. With the end of the Second World War and the consequent decline in production of many of the larger war plants, the proportion of total production accounted for by establishments with output valued at \$1,000,000 and over had declined to 67 per cent in 1946 despite an increase in their number to 1,442. By 1961 the number of such establishments had again more than doubled to 3.613. accounting for \$19,947.6 million to 82 per cent of the total value of factory shipments. During this same 15-year period, the proportion accounted for by establishments with outputs of \$5,000,000 and over increased from 49.9 to 57.5 per cent of the total.

TABLE 41. Establishments in the Manufacturing Industries classified by Value of Production, 1929, 1939, 1944 and 1949 and by Selling Value of Factory Shipments 1954 and 1961

	and by s	Selling Value of	Factory Sn	ilpments,	1954 and	1961		
		19291	,2			1939	3	
Value group	Estab- lish- ments	Total production ³	Average per establish- ment	Proportion of total production	Estab- lish- ments	Total production ³	Average per establish- ment	Proportion of total production
	No.	dollar	S	per cent	No.	dollar	'S	per cent
Under \$25,000 \$ 25,000 to \$ 49,999 50,000 ' 99,999 100,000 '' 199,999 200,000 '' 499,999 500,000 '' 999,999 1,000,000 '' 4,999,999 5,000,000 and over	14,024 2,802 2,209 1,688 1,519 636 601 118	106, 735, 470 99, 529, 725 156, 308, 744 237, 532, 492 504, 218, 217 443, 597, 677 1, 217, 866, 089 1, 298, 198, 865	7,611 35,521 70,760 140,718 331,941 697,481 2,026,400 11,001,685	2. 6 2. 4 3. 8 5. 8 12. 4 10. 9 30. 0 31. 9	15, 623 2, 803 2, 215 1, 584 1, 285 689 520 81	120,903,054 99,558,383 156,410,769 225,582,130 390,626,844 466,441,130 1,091,293,939 923,724,311	7,739 35,519 70,614 142,413 303,990 676,983 2,098,642 11,404,004	3. 5 2. 9 4. 5 6. 5 11. 2 13. 4 31. 4 26. 6
Totals and averages	23, 597	4, 063, 987, 279	172, 225	100. 0	24, 800	3, 474, 540, 560	140, 102	100.0
		1944				194	9	
Under \$25,000 \$ 25,000 to \$ 49,999 50,000 '' 99,999 100,000 '' 199,999 200,000 '' 499,999 500,000 '' 999,999 1,000,000 '' 4,999,999 5,000,000 and over	13, 942 4, 011 3, 442 2, 513 2, 256 943 1, 089 287	128, 782, 147 143, 023, 914 245, 273, 500 355, 235, 489 714, 546, 348 661, 670, 693 4, 530, 614, 372	9, 237 35, 658 71, 259 141, 359 316, 731 701, 666 2, 107, 021 15, 786, 113	1. 4 1. 6 2. 7 3. 9 7. 9 7. 3 25. 3 49. 9	16, 176 4, 884 4, 487 3, 630 3, 195 1, 494 1, 505 421	145, 907, 685 174, 899, 010 320, 878, 071 514, 921, 581 1, 000, 486, 294 1, 041, 235, 578 3, 164, 936, 378 6, 116, 328, 703	9,020 35,810 71,513 141,852 313,141 696,945 2,102,948 14,528,097	1. 2 1. 4 2. 6 4. 1 8. 0 8. 3 25. 4 49. 0
Totals and averages	28, 483	9, 073, 692, 519	318, 565	100.0	35, 792	12, 479, 593, 300	348, 670	100.0
		1954				1961	5	
Under \$25,000 \$ 25,000 to \$ 49,999 \$ 50,000 '' 99,999 \$ 200,000 '' 499,999 \$ 500,000 '' 499,999 \$ 500,000 '' 4,999,999 \$ 5,000,000 and over	15, 734 5, 278 4, 705 4, 070 3, 833 1, 883 1, 958 567	145,633,669 189,699,244 337,580,457 577,543,265 1,209,151,102 1,390,925,128 4,065,420,589 9,638,574,050	9, 256 35, 942 71, 749 141, 903 315, 458 738, 675 2, 076, 313 16, 999, 249	0. 8 1. 1 1. 9 3. 3 6. 9 7. 9 23. 2 54. 9	8, 788 4, 530 4, 434 4, 194 4, 484 2, 372 2, 823 790	101,796,226 162,752,093 319,653,784 601,098,287 1,437,837,546 1,672,586,766 6,019,674,443 13,927,895,804	11,584 35,928 72,092 143,323 320,660 705,138 2,132,368 17,630,248	0. 4 0. 7 1. 3 2. 5 5. 9 6. 9 24. 8 57. 5
Totals and averages	38, 028	17, 554, 527, 504	461, 621	100.0	32, 415	24, 243, 294, 949	747, 904	100.0

1 Includes central electric stations and dyeing, cleaning and laundry establishments.

Exclusive of Yukon and the Northwest Territories and Newfoundland.

Gross value of products for 1929, 1939, 1944 and 1949; selling value of factory shipments for 1954 and 1961.

Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years.

The dominant role of the large establishment in Canadian manufacturing is particularly evident in the leading industries. Establishments with a selling value of factory shipments of \$1,000,000 and over in 1961 accounted for 99 per cent or more of the total in five of the six leading industries: pulp and paper mills, smelting and refining, petroleum refining, motor vehicle manufacturers and iron and steel mills. Such establishments accounted for between 95.0 and 98.9 per cent in five other industries; cotton yarn and cloth mills, 98.6; breweries, 97.8; synthetic textile mills, 96.6; aircraft and parts manufacturers, 95.8; and slaughtering and meat packing plants, 95.6 per cent. For only two of the top 25 industries did the proportion of the total selling value of factory shipments accounted for by such establishments fall below 50 per cent; these were butter and cheese plants with 40.7 per cent and women's clothing factories with 39.3 per cent.

TABLE 42. Number and Relative Importance of Establishments with Selling Value of Factory Shipments of \$1,000,000 and Over in the Twenty-five Leading Industries, 19611

No.	Industry	Number of such establishments	Percentage of total number in the industry	Percentage of total value of shipments in the industry
1	Pulp and paper mills	110	88. 0	99, 5
2	Smelting and refining	22	91. 7	99. 9
3	Petroleum refining	43	97. 7	99.9
4	Slaughtering and meat packing plants	98	40.5	95, 6
5	Motor vehicle manufacturers	14	82.4	99.8
6	Iron and steel mills	30	71.4	99. 1
7	Sawmills	96	2.9	57. 2
8	Manufacturers of industrial chemicals	52	40.6	93.9
9	Pasteurizing plants	96	13.1	66.7
10	Miscellaneous food manufacturers	84	31.5	
11	Miscellaneous machinery and equipment manufacturers	106	25. 2	89.3
12	Metal stamping, pressing and coating industry	73	16.7	79. 1
13	Printing and publishing	59	7.8	78.6
14	Bakeries	70		80.5
15	Motor vehicle parts and accessories manufacturers	47	2.8	53. 5
16	Aircraft and parts manufacturers		37.3	92. 9
17	Fruit and vegetable canners and preservers	27	33.8	95.8
18	Butter and cheese plants	69	20. 6	81. 1
19	Feed manufacturers	58	6.3	40.7
20	Men's clothing factories	55	5.7	52.3
21	Women's clothing factories	69	14.1	56.0
22	Rrowerles	71	11. 2	39.3
23	Breweries	42	77.8	97. 8
24	Communications equipment manufacturers	35	28.0	89. 2
25	Synthetic textile mills	37	66.1	96.6
20	Cotton yarn and cloth mills	31	79.5	98.6

¹ Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years.

Of the 3,613 manufacturing establishments in 1961 with selling value of factory shipments of \$1,000,000 and over, 1,749 or almost one half were located in Ontario and 1,044 in Quebec. Except for Prince Edward Island, such establishments accounted for more than 70 per cent of total value of shipments in their respective provinces, with the highest proportion, 85.3

per cent, occurring in Ontario. That province also had the highest proportion of total Canadian shipments in this category, 42.1 per cent, followed by Quebec with 24.2 per cent. For Canada as a whole, such establishments accounted for 82.3 per cent of the \$24,243 million of factory shipments in 1961.

TABLE 43. Number and Relative Importance of Establishments with Selling Value of Factory Shipments of \$1,000,000 and Over, by Province, 1961'

Province	Total number of estab- lishments in the manufac- turing industries	Number of estab- lishments with selling value of shipments of \$1,000,000 and over	Percentage of total number of such estab- lishments in Canada	Percentage of total number of all manu- facturing establish- ments in province	Percentage of total value of shipments in Canada accounted for by such estab- lishments	Percentage of total value of shipments in each province accounted for by such estab- lishments
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta	338 156 1,002 708 10,955 12,081 1,416 675 1,569	25 6 64 57 1.044 1.749 139 50	0.7 0.2 1.8 1.6 28.9 48.4 3.8	7-4 3-8 6-4 8-0 9-5 14-5 9-8 7-4	0.4 0.1 1.2 1.3 24.2 42.1 2.4	78. 9 57. 0 72. 5 79. 8 80. 1 85. 3 74. 9
British Columbia	3, 502 13 32, 415	156 322 1 3,613	4. 3 8. 9 2	9. 9 9. 2 7. 7	3.1 6.5 2	81.0 79.5

Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years.

Less than 0.05 per cent. Confidential.

TABLE 44. Principal Statistics of the Manufacturing Industries, by Industrial Group and Selling Value of Factory Shipments, 1961

	Fact	ory Shipmen	its, 1961¹		e and Southing v	water of
Industrial group and value group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
A11	nu	mber		(dollars	1
All manufacturing industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 500,000 " 499,999 5,000,000 " 499,999 5,000,000 " 4,999,999 1,000,000 " 4,999,999 5,000,000 " 4,999,999	4,004 4,784 4,530 4,434 4,194 4,484 2,372 2,823 790	5,756 13,466 22,624 37,560 57,789 115,925 123,644 359,225 513,027 15,930	9, 211, 070 30, 697, 808 59, 910, 917 108, 625, 076 182, 499, 249 383, 008, 940 427, 208, 092 1, 388, 399, 653 2, 535, 788, 699 106, 097, 465	866, 286 2, 452, 892 4, 196, 491 7, 507, 075 12, 154, 460 24, 897, 449 26, 777, 284 101, 164, 354 335, 368, 464	7,616,128 32,652,703 68,003,150 144,640,156 296,808,931 751,426,638 883,605,784 3,146,196,527 7,796,757,959	21, 340, 387 80, 455, 839 162, 752, 093 319, 653, 784 601, 098, 287 1, 487, 837, 546 1, 672, 586, 766 6, 019, 674, 443 13, 927, 895, 804
Totals	32, 415	1, 264, 946	5, 231, 446, 969	515, 384, 755	13, 127, 707, 976	24, 243, 294, 949
Food and beverage industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 4,999,999 5,000,000 and over Head offices	450 1,040 1,119 1,206 1,186 1,120 509 621	772 2,870 4,776 7,548 10,848 18,125 18,895 57,148 66,334 1,539	919, 240 5, 473, 487 10, 410, 741 18, 881, 835 30, 212, 647 53, 158, 118 59, 232, 804 204, 566, 236 295, 314, 679 9, 826, 186	148, 843 742, 643 1, 464, 953 2, 687, 486 4, 551, 010 7, 750, 044 7, 544, 360 21, 723, 994 23, 602, 730	1, 172, 240 9, 177, 452 21, 890, 225 53, 039, 598 111, 610, 404 233, 985, 908 234, 632, 048 843, 353, 403 1, 639, 921, 110	2, 598, 776 18, 155, 528 40, 213, 109 87, 791, 664 170, 286, 970 352, 569, 879 360, 584, 043 1, 367, 350, 903 2, 505, 701, 456
Totals	7, 444	188, 855	687, 995, 973	70, 226, 063	3, 148, 673, 188	4, 905, 434, 328
Tobacco products industries: Under \$100,000 \$ 100,000 to \$ 199,999 200,000 " 999,999 1,000,000 " 4,999,999 5,000,000 and over Head offices Totals	5 3 6 8 16	36 66 404 861 8,069 6	77, 331 175, 377 954, 484 2, 486, 544 35, 443, 301 16, 841 39, 153, 878	4, 395 8, 227 58, 867 96, 216 867, 497 1, 035, 202	71, 990 159, 862 1, 260, 806 9, 270, 020 194, 534, 427 205, 297, 105	174, 230 447, 032 2, 490, 990 17, 441, 960 314, 429, 024 334, 983, 236
Rubber industries: Under \$10,000	10 4 4 9 13 12 17 20	33 19 27 169 417 587 2,635 14,719	6, 626 84, 575 46, 486 104, 017 436, 272 1, 469, 392 2, 145, 936 9, 483, 736 66, 665, 969 1, 560, 776	782 3,769 1,577 4,235 35,993 100,402 159,133 657,350 4,312,806	10, 355 58, 760 46, 722 129, 519 659, 568 1, 480, 133 4, 500, 809 17, 029, 019 124, 769, 069	16, 694 171, 061 128, 873 331, 868 1, 384, 163 4, 205, 699 9, 341, 545 41, 859, 618 273, 695, 192
Totals	93	18,860	82, 003, 785	5, 276, 047	148, 683, 954	331, 134, 713
Leather industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 4,999,999 5,000,000 " 4,999,999 5,000,000 " 4,999,999	47 49 48 69 63 121 70 83	57 137 276 731 1,276 5,118 5,783 15,973 2,062	109, 427 319, 290 681, 590 1, 848, 623 3, 329, 495 13, 368, 413 15, 474, 765 46, 244, 191 8, 198, 449	8, 032 19, 880 20, 050 48, 850 76, 159 308, 153 262, 686 1, 028, 238 501, 938	109, 760 359, 682 875, 710 2, 376, 486 4, 301, 610 21, 055, 901 23, 089, 916 78, 602, 208 20, 635, 196	261, 113 813, 953 1, 835, 003 5, 196, 578 9, 058, 980 41, 721, 540 47, 421, 236 152, 207, 904 32, 552, 216
Totals	555	31, 413	89, 574, 243	2, 273, 986	151, 406, 469	291, 068, 523
Textile industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 499,999 1,000,000 " 499,999 1,000,000 and over Head offices	73 80 123 114 132 112 76 138 35	153 344 763 1, 279 2, 115 3, 283 4, 256 21, 951 26, 336 2, 064	235, 919 666, 279 1, 844, 880 3, 237, 266 5, 876, 466 9, 765, 131 12, 886, 617 71, 864, 710 93, 841, 385 12, 339, 136	9, 353 25, 283 72, 559 163, 980 305, 606 505, 204 839, 733 4, 644, 828 8, 546, 809	107, 139 472, 895 1, 591, 954 3, 061, 347 8, 541, 839 18, 613, 788 33, 312, 041 177, 684, 034 224, 616, 012	424, 840 1, 397, 685 4, 464, 848 8, 165, 397 18, 790, 320 36, 172, 740 55, 208, 731 310, 319, 846 440, 343, 293
Totals	883	62, 544	212, 557, 789	15, 113, 355	468, 001, 049	875, 287, 700
				, , , , ,	100,000,000	010, 201, 100

TABLE 44. Principal Statistics of the Manufacturing Industries, by Industrial Group and Selling Value of Factory Shipments, 1961 - Continued

Industrial group and value group	Estab- lish-	Total	Salaries and wages	Cost of fuel and	Cost at plant of materials	Selling value of factory
	ments	employees	and wages	electricity	used	shipments
	numi	per	1	uo	nars	
hitting mills: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 500,000 " 499,999 500,000 " 499,999 500,000 " 499,999 Hodoon of the control of the con	13 11 31 35 41 105 58 64	40 45 227 442 762 3,395 4,260 11,996 292	45,353 61,873 410,728 850,638 1,729,931 9,043,932 11,316,267 32,711,953 1,298,707	4,121 1,219 20,642 30,244 58,870 290,452 301,892 1,219,484	28,582 92,018 598,554 1,157,161 3,158,794 18,963,408 22,232,312 71,131,138	74,92 183,00 1,173,73 2,462,04 5,827,01 34,279,23 41,695,76 133,600,25
Totals	358	21, 459	57, 469, 382	1, 926, 924	117, 361, 967	219, 295, 9
lothing industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 99,999 1,000,000 dover. Head offices	87 171 265 397 393 536 274 179 5	167 727 2,233 5,458 8,303 18,828 19,026 28,796 3,997 193	282, 521 1, 366, 623 4, 355, 474 11, 896, 838 20, 819, 483 50, 157, 987 52, 210, 385 80, 871, 327 11, 289, 872 1, 137, 972	7,831 43,890 114,240 207,263 311,904 650,284 618,584 954,942 110,022	168,717 1,006,757 3,587,786 11,923,615 27,483,615 92,362,266 105,752,416 165,741,189 19,497,020	542,73 2,874,38 9,575,38 28,623,4 57,220,38 171,297,61 189,934,24 305,170,08 36,297,17
Totals	2, 307	87, 728	234, 388, 479	3,018,960	427, 523, 380	801, 535, 49
ood industries: Under \$10,000. \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 499,999 5,000,000 " 4,999,999 5,000,000 and over. Head offices	44 []	2,181 3,073 3,694 5,082 6,533 12,304 12,258 22,543 11,749 625	3,004,647 5,774,750 8,263,523 13,516,640 18,575,229 39,807,990 42,763,414 89,348,241 54,975,562 4,300,708	372, 202 654, 796 838, 693 1, 435, 845 1, 840, 340 3, 832, 902 3, 046, 388 6, 125, 371 2, 193, 009	2,725,546 7,355,325 11,491,160 20,034,365 32,152,245 80,079,924 92,582,694 209,221,743 129,149,749	7,508,4 17,018,7 24,946,4 41,586,9 62,621,1 146,711,0 164,589,5 365,515,5 204,845,0
Totals	5, 251	80,042	280, 330, 704	20, 339, 546	584, 792, 751	1,035,343,6
Uniture and fixture industries: Under \$10,000	173	541 1, 232 1, 406 1, 839 2, 535 6, 268 7, 278 12, 054	1,178,937 3,398,013 4,315,780 5,810,139 8,200,865 21,020,222 24,828,124 43,693,593	62,384 180,591 197,181 215,844 293,941 739,623 824,595 1,392,822	925,641 3,413,491 4,373,9566 11,643,989 33,183,022 41,958,097 72,577,344	2,622,1 8,632,6 10,952,7 15,260,2 24,499,6 66,889,3 83,109,2 150,096,1
Totals	2, 089	33, 153	112, 445, 673	3, 906, 981	174, 635, 120	362, 062, 1
Paper and allied industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 499,999 5,000,000 and over Head offices	7 20 24 27 65 100 66 154	8 59 101 223 954 2,616 3,037 18,805 65,753 3,306	13, 959 122, 742 284, 865 630, 068 2, 663, 062 8, 619, 317 10, 626, 774 79, 050, 309 345, 810, 084 23, 315, 985	490 8, 638 17, 896 28, 486 108, 767 452, 920 1, 251, 663 8, 989, 425 111, 431, 207	14,844 170,872 382,997 1,084,735 4,924,820 18,122,379 23,476,806 206,914,431 766,410,998	35,1 360,0 904,4 2,066,8 9,501,2 33,502,5 44,400,7 367,212,2 1,747,750,6
Totals	569	94, 862	471, 137, 165	122, 289, 492	1, 021, 502, 882	2, 205, 734, 0
Printing, publishing and allied industries: Under \$10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 993,999 1,000,000 " 4,999,999 5,000,000 " 4,999,999 5,000,000 and over	443 701 700 566 421 324 125 123	564 1,734 3,210 4,854 6,299 9,602 8,149 19,555 18,690	1,070,183 4,960,272 10,964,421 17,410,057 25,041,866 40,408,654 91,309,950 100,844,279 777,134	71,867 218,662 327,183 458,701 586,445 861,522 725,153 1,699,987 1,600,113	842,717 3,962,292 8,033,042 12,094,279 18,858,087 34,173,938 27,393,285 78,008,455 92,350,619	2, 541, 2 11, 809, 25, 161, 1 39, 895, 59, 287, 101, 914, 914, 89, 190, 244, 309, 298, 181,

TABLE 44. Principal Statistics of the Manufacturing Industries, by Industrial Group and Selling Value of Factory Shipments, 1961 - Continued

	ractory Sni	pments, 196	611 - Continue	d		
Industrial group and value group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nui	nber		do	llars	
Primary metal industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 49,999 5,000,000 " 4,999,999 1,000,000 " 4,999,999 1,000,000 and over Head offices	29 45	29 89 169 387 1,068 2,021 2,657 9,665 70,334 819	44,143 231,040 420,513 1,357,366 3,789,714 7,748,869 11,249,053 43,540,129 383,722,639 5,515,885	5, 809 17, 588 50, 491 118, 182 273, 463 567, 194 882, 679 6, 785, 377 79, 197, 219	32,462 211,484 373,650 1,463,418 3,455,281 6,969,665 13,499,832 94,728,843 1,470,953,406	98,144 539,080 991,881 3,232,742 9,233,405 18,835,671 32,101,231 172,066,581 2,569,385,052
Totals	410	87, 238	457, 619, 351	87, 898, 002	1, 591, 688, 041	2, 806, 483, 787
Metal fabricating industries (except machinery and transportation equipment industries): Under \$10,000 \$ 10,000 to \$ 24,999 \$ 25,000 " 49,999 \$ 500,000 " 99,999 \$ 100,000 " 199,999 \$ 200,000 " 499,999 \$ 500,000 " 999,999 \$ 1,000,000 " 4,999,999 \$ 1,000,000 " 4,999,999 \$ 1,000,000 " 4,999,999 \$ 1,000,000 " 4,999,999 \$ 1,000,000 " 4,999,999	202 391 430 447 416 439 211 274	305 1,070 2,101 3,703 6,056 11,175 9,905 36,203 23,915	546, 332 2, 835, 383 6, 916, 497 13, 534, 434 23, 736, 389 45, 836, 818 42, 403, 623 158, 744, 883 126, 346, 932 1, 014, 662	56, 951 203, 439 372, 731 654, 088 1, 054, 088 2, 046, 741 1, 799, 590 7, 404, 205 5, 367, 837	394, 343 2, 224, 401 5, 084, 159 11, 503, 655 22, 018, 830 62, 716, 176 72, 547, 399 282, 839, 644 275, 071, 519	1, 226, 007 6, 539, 741 15, 592, 436 32, 149, 222 59, 155, 605 140, 890, 153 150, 948, 674 591, 166, 972 495, 022, 035
Totals	2, 859	94, 611	421, 915, 944	18, 959, 670	734. 400, 126	1, 492, 690, 845
Machinery industries (except electrical machinery): Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 4,999,999 1,000,000 " 4,999,999 1,000,000 and over	14 29 35 60 102 99 71 117	31 110 196 505 1,448 2,405 3,525 15,574 18,287	81,449 278,069 621,738 1,786,088 5,354,258 10,547,305 71,414,020 89,403,272 16,253	5,130 15,725 25,954 73,626 232,669 398,687 558,561 2,295,865 3,254,043	38, 255 195, 944 551, 784 1, 553, 055 6, 133, 217 13, 373, 033 23, 783, 972 109, 619, 187 148, 695, 496	93,049 536,129 1,304,645 4,424,112 14,975,921 30,677,456 50,983,317 243,357,634 293,387,163
Totals	546	42,083	195, 606, 445	6, 860, 260	303, 943, 943	639, 739, 426
Transportation equipment industries: Under \$10,000 \$ 10,000 to \$ 24,999. 25,000 " 49,999. 50,000 " 99,999. 100,000 " 199,999. 200,000 " 499,999. 200,000 " 499,999. 1,000,000 " 4,993,999. 5,000,000 and over Head offices	70 98 81 62 74 70 68 99 49	116 254 408 576 1,277 2,273 4,018 18,237 79,936 614	203,668 640,177 1,141,912 2,016,695 4,553,700 8,630,189 16,424,718 79,684,751 404,625,297 4,549,240	13, 939 28, 946 45, 425 82, 081 188, 995 449, 236 605, 303 3, 537, 434 15, 172, 316	135,066 538,931 1,004,456 1,679,920 4,408,038 9,901,651 20,176,258 107,824,551 984,501,287	385, 805 1, 569, 534 2, 831, 005 4, 511, 887 11, 068, 625 23, 954, 432 47, 168, 304 233, 667, 282 1, 635, 620, 280
Totals	671	107, 709	522, 470, 347	20, 123, 675	1, 130, 170, 158	1, 960, 777, 154
Clectrical products industries: Under \$10,000	12 19 32 46 57 90 72 143 60	16 56 130 409 888 2,837 4,278 22,949 47,518 450	32,388 133,382 403,064 1,212,488 2,963,783 8,942,664 14,459,906 91,953,470 230,539,323 2,927,611	2,019 5,416 20,544 57,284 124,563 302,546 497,033 3,447,248 6,879,736	25, 970 166, 077 586, 299 1, 489, 518 3, 779, 848 13, 556, 154 26, 690, 562 175, 656, 116 363, 401, 010	73,827 362,769 1,204,488 3,424,215 8,249,030 30,473,493 52,806,785 344,897,140 764,042,574
Totals	531	79, 531	353, 568, 079	11, 336, 389	585, 351, 554	1, 205, 534, 321
Von-metallic mineral products industries: Under \$10,000	149 165 179 177 183 190 98 120	251 543 932 1,413 2,420 4,390 4,094 12,878 12,709 498	341, 253 1, 258, 611 2, 557, 634 4, 382, 280 8, 474, 405 16, 820, 490 16, 585, 449 60, 300, 535 60, 38, 358 3, 328, 171	37, 345 116, 718 37, 794 740, 316 1, 318, 160 3, 562, 730 3, 839, 143 16, 376, 517 20, 172, 216	264, 063 995, 673 2, 449, 611 4, 863, 852 10, 802, 831 25, 479, 726 30, 585, 686 95, 353, 998 79, 320, 968	764,774 2,753,092 6,568,076 12,972,062 26,259,206 59,854,621 67,302,524 251,678,360 246,860,101
Totals	1, 292	40, 128	174, 087, 186	46, 500, 939	250, 116, 408	675, 012, 816

TABLE 44. Principal Statistics of the Manufacturing Industries, by Industrial Group and Selling Value of Factory Shipments, 1961 - Concluded

Industrial group and value group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nur	nber		dol	lars	
Petroleum and coal products industries: Under \$10,000	3 5 3 8 15 6 17 34	3 14 8 44 129 118 840 9,999 2,898	13,505 38,694 26,945 171,242 569,270 527,001 4,158,944 60,104,585 19,729,678	1,326 14,433 1,490 32,797 129,748 67,334 695,931 10,408,143	1,424 43,709 50,467 208,748 2,390,361 2,196,370 25,636,720 890,102,539	13,141 90,007 100,857 610,450 4,427,850 3,986,453 41,731,056 1,169,233,950
Totals	91	14,053	85, 339, 864	11, 351, 202	920, 630, 338	1, 220, 193, 764
Chemical and chemical products industries: Under \$10,000 \$ 10,000 to \$ 24,999. 25,000 '' 49,999. 50,000 '' 99,999. 100,000 '' 199,999. 200,000 '' 499,999. 500,000 '' 99,999. 1,000,000 '' 499,999. 5,000,000 and over Head offices	95 80 100 91 123 185 129 215	135 190 405 505 1,175 2,961 3,849 15,782 25,243 1,922	234, 194 478, 046 1, 265, 481 1, 734, 059 4, 259, 071 11, 505, 064 16, 570, 703 71, 385, 952 132, 960, 227 13, 611, 496	12,053 31,209 55,185 97,774 266,538 988,821 2,031,810 10,370,005 40,840,421	159, 778 507, 465 1, 563, 141 2, 845, 810 8, 202, 956 28, 657, 461 43, 862, 408 225, 173, 189 312, 971, 647	496,398 1,315,179 3,712,963 6,480,503 17,826,616 60,017,538 92,376,184 478,100,506 773,552,271
Totals	1,072	52, 167	254, 004, 293	54, 693, 816	623, 943, 855	1, 433, 878, 158
Miscellaneous manufacturing industries: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 499,999 1,000,000 " 499,999 1,000,000 " 499,999 Head offices	280 315 307 286 248 244 127 111	381 886 1,564 2,507 3,585 7,690 7,367 15,369 6,788 152	842, 452 2, 576, 505 4, 967, 562 8, 182, 929 12, 248, 669 25, 454, 845 25, 522, 859 56, 902, 241 34, 348, 433 831, 024	45,624 120,047 210,773 356,913 514,904 933,946 892,889 1,770,019 859,498	455, 911 1, 699, 475 3, 448, 303 7, 521, 94 14, 403, 618 36, 244, 533 40, 888, 758 102, 552, 295 56, 654, 087	1,553,111 5,333,290 11,053,502 20,339,781 35,12,470 78,485,051 88,203,827 213,405,017 121,316,545
Totals	1, 928	46, 289	171, 877, 519	5, 704, 613	263, 868, 974	574, 812, 594

¹ Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years,

SECTION D. RELATIVE RANK OF MANUFACTURING INDUSTRIES

In determining the "leading" manufacturing industries, a wide range of criteria and statistical measures can be used. The former are normally associated with the principal statistics (employment, salaries and wages, cost of materials, value added by manufacture, value of factory shipments, etc.); the latter are usually expressed in terms of aggregates, averages or ratios. In this section the emphasis is on principal statistics and aggregates; elsewhere, as in Table 22 in Part III, averages have been used to rank industries by wages paid to production workers.

Ranking of industries by various criteria carries with it certain inherent qualifications. On the one hand, the Standard Industrial Classification' automatically ensures that some industries by the very nature of their activities are "large" and that a single establishment in one of these industries may produce more than several smaller industries combined; on the other hand, individual criteria selected as the basis of ranking may give rise to misinterpretation of the over-all importance, efficiency or contribution to the economy of an industry, particularly if the criterion is considered in isolation. As an example, any criterion based on aggregate values will automatically result in such industries as pulp and paper mills, smelting and refining, petroleum refining, slaughtering and meat packing and

motor vehicle manufacturers being currently ranked among the leading Canadian manufacturing industries. Other criteria, involving averages, such as the average wages paid to production workers shown in Table 22, may, of course, result in the inclusion of other and smaller industries such as engraving and duplicate plates in the leading industries, Similarly, various measures of productivity may again change the relative position of industries.

In an attempt to preserve historical continuity and, at the same time, to provide a broader base for assessing the comparative ranking of Canadian manufacturing industries, tables previously carried in this section have been retained, in a somewhat modified form, and some new tables have been introduced. A brief description of these tables follows.

Table 45 shows the ten leading industries based on selling value of factory shipments in 1961, with their relative rank in selected years during the period 1922-60. Because of changes in the standard industrial classification in 1960 and in the replacement of value of production by value of factory shipments in 1952, comparisons of years prior to 1960 with 1960 and 1961 are not as direct as between 1960 and 1961. Introduction of the revised Standard Industrial Classification in 1960 had a particularly noticeable impact on the composition of two of the ten leading industries—manufacturers of industrial chemicals and

¹ Standard Industrial Classification Manual, Catalogue No. 12-501, Dominion Bureau of Statistics, 1960.

pasteurizing plants. The first represents a combination of the two former industries of compressed gases and acids, alkalies and salts, and manufacturers of fertilizer materials and snythetic rubber; the second is a new industry, previously forming part of butter and cheese plants. This latter industry now excludes pasteurizing plants. However, footnote 4 to the table shows how pasteurizing plants and butter and cheese plants combined ranked during the nine selected years.

Table 46 shows principal statistics for the forty leading industries ranked according to the value of factory shipments. and their rank in other categories, in 1961. The rank in each category represents the position which each industry occupies when the numerical values for the six items of principal statistics for the 180 industries shown in Table 10 were individually ranked in sequence from largest to smallest. Thus, we find that pulp and paper mills rank first in total number of employees, salaries and wages, value added by manufacture and selling value of factory shipments, fourth in cost at plant of materials used, and sixtieth in the number of establishments. Similar information is given for each of the other forty leading industries ranked on the basis of the value of factory shipments.

Value of factory shipments, however, is only one of many ways by which manufacturing industries can be ranked. In terms of net contribution to the economy, "value added by manufacture" is a more meaningful indicator as it provides a nonduplicating measure in contrast to "value of factory shipments" which may include a large proportion of another industry's shipments which have been used as raw materials and which may also be inflated by a considerable amount of inter-industry transfers of semi-finished goods. For identification of the forty leading industries ranked by "value added", as well as by six other categories of principal statistics, the reader is referred to Table 47. It is emphasized that this table merely identifies the industry by Standard Industrial Classification codes as published in the 1960 edition of the Standard Industrial Classification Manual. For identification of the industry by name, as well as for pertinent principal statistics, the reader must refer to Table 10 which lists the 180 individual manufacturing industries in sequence by the Standard Industrial Classification (S.I.C.) code.

As an example of the use to which Table 47 may be put, let us assume that a reader is interested in the ten leading industries ranked according to total employment provided in 1961. The column headed "Total employees" indicates that the S.I.C. codes of these industries are 271, 2513, 1291, 291, 289, 2431, 295, 321, 315 and 2441, respectively. Reference to Table 10 shows that these industries, with total employees in parentheses, were: pulp and paper mills (65,799), sawmills (41,134), bakeries (35,637), iron and steel mills (34,546), printing and publishing (31,281), men's clothing factories (29,368), smelting and refining (29,290), aircraft and parts manufacturers (28,386), miscellaneous machinery and equipment manufacturers (26,610), and women's clothing factories (25,927), Similar data may be derived from Table 10 by using any of the categories in Table 47 for any number of industries up to 40.

An indication of the predominance of the leading industries in each of the various categories of principal statistics is given in Table 48. In the example used in the preceding paragraph the number of employees in each of the ten leading industries ranked by total employees - it is seen in Table 48 that these ten industries accounted for 347,978 employees or 27.5 per cent of the total employment in manufacturing in 1961. Similarly, the top ten industries ranked by total salaries and wages accounted for 30.8 per cent; by cost of fuel and electricity, 58.6 per cent; by cost at plant of materials used, 41.2 per cent; by value added by manufacture, 32.6 per cent; and by selling value of factory shipments, 36.5 per cent. It is emphasized again that the leading industries in each category are not necessarily the same; for the exact composition and sequence, see Table 47. The traditional group of 40 leading industries accounted for a range of from 65.3 per cent of total employment to 81.5 per cent of the total cost of fuel and electricity used, while the 100 leading industries accounted for 92 per cent or more in each category of principal statistics.

TABLE 45. Ten Leading Industries ranked by Selling Value of Factory Shipments, 1961, and their Rank in Selected Years, 1922 - 601

					Rank				
Industry	1922	1929	1933	1939	1944	1949	1951	1960	1961
Pulp and paper mills	2	1	1	2	5	1	1	1	1
Smelting and refining	2	9	2	1	2	3	3	2	2
Petroleum refining	9	10	6	6	14	5	5	3	3
Slaughtering and meat packing plants	3	2	3	3	1	2	2	4	4
Motor vehicle manufacturers	6	4	11	5	7	4	4	5	5
Iron and steel mills	20	16	32	11	13	8	7	6	6
Sawmills (including shingle mills)	4	5	14	8	11	6	6	7	7
Manufacturers of industrial chemicals	2	38	2	2	31	2	39	8	8
Pasteurizing plants	4	4	4	4	4	4	4	9	9
Miscellaneous food manufacturers	2	2	2	2	26	20	14	11	10

¹ Ranked by gross value of production prior to 1960.

^{*}Not included in forty leading industries.

Acids, alkalies and salts industry only prior to 1960. Manufacturers of industrial chemicals now include acids, alkalies and salts, fertilizer materials, synthetic rubber and compressed gases.

Included with butter and cheese plants. Ranking for pasteurizing plants and butter and cheese plants combined for the nine selected years was 5, 6, 5, 4, 10, 7, 8, 7, and 7, respectively.

126 GENERAL REVIEW

TABLE 46. Principal Statistics of the Forty Leading Industries ranked by Selling Value of Factory Shipments, and their Rank in Five Other Items of Principal Statistics, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept

No.	Industries	Estab	olish- nts	Tota employ		Salari and wa		Cost of pla materials	ant of used	Value add manufaci	ed by	Selling va factory shi	lue of
		No.	rank	No.	rank	\$'000	rank	\$'000	rank	\$'000	rank	\$'000	rank
1	Pulp and paper mills	125	60	65,799	1	355, 171	1	680, 168	4	842,420	1	1,634,606	1
2	Smelting and refining	24	138	29, 290	7	155,948	3	891, 951	3	530,097	2	1,471,048	2
3	Petroleum refining	44	106	13, 235	31	81,516	17	899, 837	1	276, 272	5	1, 184, 176	3
4	Slaughtering and meat packing plants	242	30	25,075	11	112, 925	10	893, 822	2	182,740	13	1, 080, 913	4
5	Motor vehicle manufacturers	17	154	21,673	15	120,939	8	603,350	5	277, 151	4	870, 942	5
6	Iron and steel mills	42	111	34, 546	4	193, 112	2	351,346	6	411,494	3	789, 271	6
7	Sawmills (except shingle mills)	3, 260	1	41, 134	2	144,700	5	306, 238	7	218, 228	8	534, 591	7
8	Manufacturers of industrial chemicals	128	57	16, 191	24	89,364	13	182,032	15	257,622	7	476, 603	8
9	Pasteurizing plants	732	10	21,678	14	84,356	16	267, 020	9	136, 177	19	411,617	9
10	Miscellaneous food manufacturers	267	29	10,922	36	43,094	35	252, 774	10	152, 206	17	408, 179	10
11	Miscellaneous machinery and equipment ma- nufacturers	420	19	26,610	9	122, 746	7	178, 604	16	208,463	9	390,689	11
12	Metal stamping, pressing and coating in-	400	4.00										
13	dustry	436	17	18, 584	19	84, 975	15	203, 300	12	168, 578	14	374,353	12
14	Printing and publishing	752 2, 529	9	31, 281	5	147,868	4	94, 312	37	272, 920	6	370,328	13
15	Motor vehicle parts and accessories manufac-	2,529	2	35,637	3	115, 753	9	164,609	18	194,338	11	369,637	14
10	turers	126	58	20,820	17	103,002	12	185, 995	14	160, 762	16	352,779	15
16	Aircraft and parts manufacturers	80	73	28,386	8	141,930	6	157, 845	19	192, 085	12	348, 245	16
17	Fruit and vegetable canners and preservers	335	23	16,467	22	49, 452	32	198,677	13	131, 226	20	328,098	17
18	Butter and cheese plants	914	7	7,493	58	22,034	68	273,894	8	44,447	72	323,900	18
19	Feed manufacturers	958	6	7,039	60	24,513	63	225, 931	11	59,617	57	289,661	19
20	Men's clothing factories	488	15	29,368	6	80, 225	19	157,760	20	123,614	23	279, 089	20
21	Women's clothing factories	633	11	25,927	10	74,488	20	151, 134	21	127,738	22	277, 478	21
22	Breweries	54	97	7,623	53	40,882	37	59,062	62	197,399	10	259, 438	22
23	Communications equipment manufacturers	125	61	24, 567	12	109,659	11	93,750	38	163, 288	15	251, 084	23
24	Synthetic textile mills	56	93	15,849	26	59,393	26	118,306	26	123,478	24	248,718	24
25	Cotton yarn and cloth mills	39	115	17,384	20	55,800	29	136, 227	23	96, 216	31	236,711	25
26	Sash and door and planing mills (excluding hardwood flooring)	1,356	5	16,175	25	54, 858	30	138, 583	22	93,689	33	235, 160	26
27	Printing and bookbinding	1,688	3 '	21,892	13	87, 931	14	82,874	45	146, 131	18	230, 145	27
28	Tobacco products manufacturers	22	141	7,817	52	33, 931	46	122, 475	25	107, 464	29	229, 956	28
29	Wire and wire products manufacturers	199	34	11,995	33	56,859	28	125, 326	24	91,686	35	220, 702	29
30	Flour mills	54	96	3,964	84	16,921	80	173,682	17	45, 275	70	220, 587	30
	Miscellaneous metal fabricating industries	331	24	14,599	28	62, 568	25	95, 286	36	117, 508	25	218,977	31
32	Manufacturers of electrical industrial equip- ment	97	66	16, 404	23	80, 945	18	86, 812	41	129,315	21	218, 881	32
33	Fabricated structural metal industry	78	74	13,789	29	68,410	22	112, 015	27	96, 029	32	210,061	33
	Manufacturers of major appliances (electric and non-electric)	43	108	11,084	35	46,862	33	109,910	29	92, 496	34	206, 212	34
35	Household furniture industry		4	19,936	18	66, 149	23	100,008	33	104, 219	30	205, 597	35
	Other paper converters	190	37	9,741	39	39, 497	38	103, 149	31	82, 272	40	185, 890	
	Railroad rolling stock industry	29	129	16, 529	21	72,706	21	99, 139	34	78, 738	42	182, 569	36 37
	Rubber tire and tube manufacturers	10	174	7, 502	57	38, 014	40	87, 174	40	84, 856	39	180, 248	38
	Shoe factories	237	31	20, 866	16	57, 100	27	83, 971	43	89,563	36	173, 124	39
	Soft drink manufacturers	502	14	7,840	51	29, 766	54	52,871	69	116, 068	27	172,647	40
	Totals, forty leading industries	19,242		792, 711		3,426,361	•••	9, 301, 219	***	7, 023, 887		16,652,911	***
		32,415		1,264,946		5,231,447		13,127,708		10,682,138		24,243,295	• • • •
_								,=,0		,554,256		-1,710,700	

TABLE 47. Rank of the Forty Leading Industries in Each of Seven Items of Principal Statistics, 19611

Rank	Rank Estab- lish- ments Total Total Salaries and wages electricity Cost at plant of materials and wages electricity								
			Standard Inc	cation Code ²	4				
1	2513	271	271	271	3651	271	271		
2	1291	2513	291	295	1011	295	295		
3	2861	1291	295	378	295	291	365		
4	261	291	289	291	271	323	101		
5	2541	289	2513	341	323	3651	323		
6	123	2431	321	2513	291	289	291		
7	1051	295	315	1291	2513	378	251		
8	308	321	323	3651	1051	2513	378		
9	289	315	1291	1053	1053	315	105		
0	1053	2441	1011	1011	1392	145	139		
1	2441	1011	335	1051					
2	347	335	325	3511	123	1291	315		
3	303	2861	378	325	304	321	304		
4	141	1053	2861	323	112 325	1011	289		
5	2431	325	304	201	378	304	12		
				201	310	335	32		
6	246	174	1053	357	315	325	32		
7	304	325	3651	123	124	1392	11:		
8	288	261	336	183	1291	2861	10		
9	315	304	2431	1392	321	1053	12:		
0	266	183	2441	315	2431	112	243		
1	397	326	326	141	2441	336	24		
2	111	112	302	112	2541	2441	14		
3	112	336	261	3561	183	2431	33		
4	309	378	327	326	305	201	20:		
25	2862	2541	309	309	153	3 09	183		
6	3799	201	201	2541	201	374	25		
7	306	327	174	304	302	141	28		
8	385	309	305	373	111	143	153		
9	1392	302	183	347	332	153	30		
0	1011	111	2541	348	338	261	12		
1	174	3651	311	145	274	183	30		
2	328	239	112	289	292	302	33		
3	382	305	332	305	261	2541	30:		
4	305	252	2862	321	326	332	33:		
5	131	332	1392	111	2732	305	261		
	239	1392	252	252	309	174	274		
6	274	311	145	332	289	376	320		
7		2862	274	133	335	376	16:		
8	2299	2862			297				
9	2442		303	163		163	174		
40	245	303	163	3799	163	274	14:		

¹ For amounts and proportion of totals accounted for by the leading 10, 20, 30, and 40 industries in each category, see Table 48.
² For identification of these industries and relevant principal statistics, see Table 10.

TABLE 48. Amounts and Proportions of Totals Accounted for by Specified Numbers of Leading Industries in Seven Items of Principal Statistics, 1961

Number of leading industries'	Estab- lish- ments	Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments					
	nun	nber		dollars								
10	14, 547	347, 978	1, 611, 092, 185	302, 351, 433	5, 420, 399, 241	3, 492, 065, 273	8, 861, 946, 48'					
%	44. 8	27. 5	30.8	58.6	41. 2	32. 6	36.					
20	19, 472	560, 452	2, 487, 553, 777	352, 301, 878	7, 248, 835, 120	5, 119, 597, 862	12, 288, 724, 76					
%	60. 1	44.3	47.5	68. 3	55. 2	47. 9	50.					
30	22, 580	714, 846	3, 105, 173, 015	391, 509, 626	8, 476, 856, 489	6, 300, 102, 816	14 000 000 000					
%	69. 6	56. 5	59. 3	75. 9	64. 5	58. 9	14, 698, 703, 75 60.					
40	24, 602	826, 388	3, 539, 684, 296	420, 253, 848	9, 439, 629, 550	7, 200, 276, 978	16, 652, 910, 830					
%	75. 9	65. 3	67. 6	81.5	71. 9	67. 4	68.					
50	26, 170	911, 423	3, 880, 202, 844	441, 969, 310	10, 260, 566, 892	7, 938, 788, 291	18, 241, 622, 28					
%	80. 7	72. 1	74. 1	85. 7	78. 1	74. 3	75. 2					
00	30, 446	1, 164, 956	4, 863, 267, 671	498, 267, 566	12, 499, 961, 072	9, 950, 232, 411	22, 793, 313, 213					
%	93. 9	92. 1	92. 9	96. 6	95. 2	93. 1	94. (
80	32, 415	1, 264, 946	5, 231, 446, 969	515, 384, 755	13, 127, 707, 976	10, 682, 137, 680	24, 243, 294, 949					
%	100.0	100.0	100.0	100.0	100.0	100.0	100.0					

¹ For industries included in the first 40 in each category, see Table 47.

PART V

PROVINCIAL DISTRIBUTION OF MANUFACTURING INDUSTRIES

This part of the Report consists of six sections—Section A containing tables on principal statistics of the manufacturing industries in 1961 by province, industrial group and size of establishment, and Sections B to F containing general textual analyses of the manufacturing industries, and tables of leading industries ranked by selling value of factory shipments, for the

Atlantic Provinces, Quebec, Ontario, the Prairie Provinces and British Columbia, respectively. Comparable provincial totals for principal statistics on the revised (1960) Standard Industrial Classification and New Establishment Concept for the 1957-60 period are contained in Part II, Section C, Table 8.

SECTION A. PRINCIPAL STATISTICS BY PROVINCE, INDUSTRIAL GROUP AND SIZE OF ESTABLISHMENT

Table 49, containing summary statistics of manufactures by province and industrial group, indicates the predominance of Ontario and Quebec both in overall manufacturing activity and, with the single exception of the wood industries, in industrial groups. Ontario's factory shipments of \$11,957,300,000 and Quebec's \$7,327,300,000 together accounted for 79.5 per cent of the Canadian total in 1961.

Quebec had the greatest provincial shipments in five groups—tobacco products industries, textile industries, knitting mills, clothing industries and paper and allied industries. In each of the first four groups, its shipments accounted for more than half the Canadian total; in paper and allied groups, its share of 36.2 per cent was only marginally greater than Ontario's 35.7 per cent. With the exception of the wood industries, where British Columbia's factory shipments of \$556,100,000 accounted for 53.7 per cent of the Canadian total, Ontario led in factory shipments of the remaining 15 industrial groups. In three of

these-rubber industries, machinery industries (except electrical machinery), and transportation equipment industries, its share was between 72 and 76 per cent of the Canadian totals. In three others—the electrical products industries, chemical and chemical products industries, and miscellaneous manufacturing industries—it was between 60 and 69 per cent, and in three others—printing, publishing and allied industries, primary metal industries, and metal fabricating industries—it was between 52 and 58 per cent of the Canadian total.

Tables 50 and 51 contain principal statistics of the manufacturing industries by province, and by number of employees and selling value of factory shipments, respectively. Additional information on the provincial distribution of manufacturing establishments on the basis of number of employees is contained in Tables 38 and 39 in Part IV, Section B, and on the basis of selling value of factory shipments, in Table 43 in Part IV, Section C.

TABLE 49. Principal Statistics of the Manufacturing Industries, by Province and Industrial Group, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept

						**	
Province and industrial group	Estab- lish- ments	Total em- ployees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
Canada	nu	mber			dollars		
				1	1	1	1
Food and beverage industries Tobacco products industries	7,444	188, 855	687, 995, 973	70, 226, 063	3, 148, 673, 188	1,704,714,596	4, 905, 434, 328
Rubber industries	38 93	9,442 18,860	39, 153, 878 82, 003, 785	1,035,202 5,276,047	205, 297, 105	128, 639, 932	334, 983, 236
Leather industries	555	31, 413	89.574.243	2, 273, 986	148, 683, 954 151, 406, 469	171, 593, 527	331, 134, 713
Textile industries	883	62, 544	212, 557, 789	15, 113, 355	468, 001, 049	140, 387, 914 392, 688, 681	291, 068, 523 875, 287, 700
Knitting mills	358	21, 459	57, 469, 382	1,926,924	117, 361, 967	100, 641, 407	219, 295, 978
Clothing industries	2,307	87, 728	234, 388, 479	3,018,960	427, 523, 380	377, 072, 432	801, 535, 491
Furniture and fixture industries	5, 251	80,042 33,153	280, 330, 704 112, 445, 673	20, 339, 546	584, 792, 751	431, 372, 733	1,035,343,618
Paper and allied industries	569	94, 862	471, 137, 165	3,906,981	174, 635, 120 1, 021, 502, 882	185, 102, 995	362,062,105
Printing, publishing and allied industries	3,428	72, 779	327, 900, 870	6, 549, 633	275, 716, 714	1,071,316,186 591,099,208	2, 205, 734, 055 872, 292, 337
Primary metal industries	410	87, 238	457, 619, 351	87, 898, 002	1, 591, 688, 041	1, 129, 978, 204	2, 806, 483, 787
Metal fabricating industries (except machinery and transportation equipment industries)	0.050	04 011	404 045 044				
Machinery industries (except electrical machinery)	2,859	94, 611 42, 083	421, 915, 944 195, 606, 445	18, 959, 670 6, 860, 260	734, 400, 126	739,018,830	1,492,690,845
Transportation equipment industries	671	107, 709	522, 470, 347	20, 123, 675	303, 943, 943 1, 130, 170, 158	329, 763, 583 828, 669, 699	639, 739, 426
Electrical products industries	531	79,531	353, 568, 079	11, 336, 389	585, 351, 554	617, 534, 041	1,960,777,154 1,205,534,321
Non-metallic mineral products industries	1, 292	40, 128	174, 087, 186	46,500,939	250, 116, 408	381, 393, 965	675, 012, 816
Petroleum and coal products industries Chemical and chemical products industries	1.072	14,053 52,167	85, 339, 864	11, 351, 202	920,630,338	290, 698, 500	1, 220, 193, 764
Miscellaneous manufacturing industries	1,928	46, 289	254, 004, 293 171, 877, 519	54, 693, 816 5, 704, 613	623, 943, 855 263, 868, 974	760, 927, 799 309, 523, 448	1, 433, 878, 158
Totals	32 415						574, 812, 594
	0.0, 110	A, 80 X, 0 Z0	0, 201, 120, 303	010, 001, 100	13, 127, 707, 976	10, 682, 137, 680	24, 243, 294, 949
Newfoundland							
Food and beverage industries	65	4,060	8,614,106	1,064,169	20, 468, 769	18, 646, 300	40, 440, 439
Rubber industries	_	-	_	_	-	-	_
Leather industries	3) -	_	_	-	-	_
Textile industries	2	1 1	1	1	1	1	
Knitting mills	1			_	•	*	1
Clothing industries Wood industries	192	652	1 470 010	140 400			
Furniture and fixture industries	7	27	1, 479, 210 92, 733	149,428 2,407	2, 285, 357	1,809,041	4,044,652
Paper and allied industries ²	2	3, 196	19, 114, 294	5, 171, 469	64,053 29,892,579	118, 287 39, 224, 895	185, 535 73, 725, 374
Printing, publishing and allied industries	29	424	1,379,849	70, 172	692, 774	2, 471, 175	3, 231, 348
Primary metal industries	3	1	1	1	1	-, 1, 1, 1, 1, 0	1
Metal fabricating industries (except machinery and transportation equipment industries)	6	184	000 000	00 455			
Machinery industries (except electrical machinery)	1	١ ١٥٠٠	680, 976	36,457	1, 167, 545	1,004,340	2, 414, 196
Transportation equipment industries	4	1	1	1	1	1	1
Electrical products industries	1)					
Non-metallic mineral products industries	13	388	1, 517, 909	423,891	2, 392, 197	3, 110, 744	5, 767, 384
Petroleum and coal products industries	2	1 -	1 -	1 -	1		
Miscellaneous manufacturing industries	5	62	191, 392	10,699	217, 595	285, 409	507, 173
Groups for which no data shown3		903	2, 899, 336	135, 352	3, 447, 999	3, 339, 798	6, 908, 108
Totals	338	9,896	35, 969, 805	7,064,044	60, 628, 868	70,009,989	137, 224, 209

130 GENERAL REVIEW

TABLE 49. Principal Statistics of the Manufacturing Industries, by Province and Industrial Group, 1961 - Continued

TABLE 49. Principal Statistics of			1				
Province and industrial group	Estab- lish- ments	Total em- ployees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nu	mber			dollars		
Prince Edward Island					1		
	72	1, 106	2 671 650	264 602	15 050 500	. 050 045	00 07/ 000
Food and beverage industries	1	1 100	2, 671, 659	364, 603	17, 676, 783	5, 053, 347	23, 254, 660
Rubber industries	1	} 1		1	- 1		_
		} *	•		•		
Knitting mills Clothing industries Wood industries Furniture and fixture industries Paper and allied industries Printing, publishing and allied industries		-	=	_	_	_	
Furniture and fixture industries	51	160	327, 192	17,073	339, 457	419, 445	787, 998
Paper and allied industries	1 8	186	506, 644	23, 177	238, 234	969, 915	
Primary metal industries	1	1	1	20,111	1	909, 913	1, 230, 441
and transportation equipment industries)	2] -	•	1	-		1
	4	33	87, 433	4, 765	101, 348	98, 547	216, 220
Transportation equipment industries Electrical products industries Non-metallic mineral products industries	- 6	41	name .	-	-	-	_
Petroleum and coal products industries		1 -	99, 318	10, 141	114, 511	182, 914	298, 299
Petroleum and coal products industries Chemical and chemical products industries Miscellaneous manufacturing industries	_ 2	-	_	notes	*100mm	_	1 -
Groups for which no data shown ³	***	198	515, 228	43, 259	2, 720, 725	1, 406, 978	4, 253, 421
Totals	156	1, 724	4, 207, 474	463, 018	21, 191, 058	8, 131, 146	30, 041, 039
Nova Scotia							
	202	0.000	20 100 515	0 000 707			
Food and beverage industries	323	8, 690	22, 199, 515	2, 626, 597	75, 697, 906	44, 864, 525	123, 821, 865
Rubber industries Leather industries	3	1 -	ı -	1 -	, -	1 -	1 -
Tartile industries		499	1, 283, 113 2, 412, 920	108, 640	2, 350, 460 4, 905, 924 1, 321, 326 12, 351, 339	2, 965, 165	5, 482, 309
Clothing industries	11	1, 169 346	574, 515	124, 888 39, 095	1,321,326	2, 965, 165 4, 143, 022 879, 537	9, 139, 732 2, 210, 767
Rather Industries Knitting mills Clothing Industries Wood industries Furniture and fixture industries Paper and allied industries Printing, publishing and allied industries	341	2, 425 325	5, 298, 240 746, 901	556, 184 44, 185		8, 954, 743 1, 207, 676	9, 139, 732 2, 210, 767 21, 941, 233 2, 247, 303
Paper and allied industries	5 78	1, 449 1, 328	746, 901 6, 021, 909 5, 146, 971	1, 778, 346 147, 067	10, 690, 331	13, 476, 271	25, 963, 405 12, 204, 037
	7	1 320	1 1 1 1 1 1 1	141,001	2, 955, 038	9, 108, 074	12, 204, 037
Metal fabricating industries (except machinery and transportation equipment industries)	46	1,415	5, 239, 818	471, 163	9, 079, 534	8, 706, 048	18, 938, 799
Machinery industries (except electrical machinery) Transportation equipment industries	5 65	3, 670	986, 235 14, 228, 954	70, 012 605, 625	474, 405 11, 143, 291	8, 706, 048 1, 565, 063 15, 174, 222	18, 938, 799 2, 120, 916 26, 829, 054
Machinery industries (except electrical machinery). Transportation equipment industries Electrical products industries Non-metallic mineral products industries Petroleum and coal products industries	32		1	1	7	1	1
	1	465	1, 406. 070	443, 366	2, 362, 195	2, 723, 009	5, 456, 364
Chemical and chemical products industries Miscellaneous manufacturing industries	15 20	228 137	843, 785 418, 857	151, 911 66, 912 2, 777, 635	2, 582, 104 301, 884	3, 336, 055 767, 836 41, 347, 251	5, 856, 655
Groups for which no data shown ³	• • •	4, 384	22, 111, 453	2, 777, 635	69, 247, 392	41, 347, 251	1, 141, 673 111, 952, 788
Totals	1,002	26, 801	88, 919, 256	10, 011, 626	206, 463, 487	159, 218, 497	375, 306, 900
						i	
New Brunswick							
Food and beverage industries	235	6, 839	17, 441, 886	2, 596, 402	84, 599, 503	44, 854, 305	199 000 000
Food and beverage industries	_	-			-	44, 654, 505	132, 668, 630
Rubber industries Leather industries	4	290	688, 679	13, 848	1,000,256	1, 122, 130	2, 158, 418
Textile industries Knitting mills	11 2	1497	997, 720	115, 400	1, 809, 542	1, 633, 259	3, 673, 597
Clothing industries	260	234 2, 933	333, 128	6, 559	228, 108	456, 515	703, 709
Furniture and fixture industries	20	105	7, 266, 933 256, 518	663, 081 21, 370	16, 743, 573 310, 983	13, 561, 201 414, 837	30, 493, 702 735, 542
Paper and allied industries Printing, publishing and allied industries	19 51	4, 565 974	22, 355, 424 3, 452, 666	9, 692, 531 110, 083	51, 553, 285 2, 118, 049	51, 344, 309 5, 759, 483	113, 578, 682 8, 025, 110
Metal fabricating industries (except machinery	4	2	1	1	1	1	1
and transportation equipment industries)	30	987	3, 779, 525	183, 737	5, 807, 640	6, 051, 954	12, 075, 359
Machinery industries (except electrical machinery) Transportation equipment industries	3	2, 755	9, 514, 922	360, 301	8, 240, 883	11, 295, 555	19, 890, 385
Non-metallic mineral products industries	28	567	1, 950, 686	972, 036	2, 342, 603	4,422,535	
Chemical and chemical products industries	2 7	143	-		4 1	- 1	7, 873, 568
Miscellaneous manufacturing industries Groups for which no data shown	16	382	526, 501 1, 235, 410 4, 092, 370	62, 864 73, 012 544, 182	3, 791, 471 1, 658, 926 42, 845, 906	1, 386, 802 2, 244, 758	5, 334, 107 3, 765, 258
	• • •	1, 172		1		15, 431, 787	56, 480, 628
Totals	708	22, 443	73, 892, 368	15, 415, 406	223, 050, 728	159, 979, 430	397, 456, 695

TABLE 49. Principal Statistics of the Manufacturing Industries, by Province and Industrial Group, 1961 - Continued

Province and industrial group	Estab- lish- ments	Total em- ployees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nu	mber		L	dollars		
Quebec		1		1	1	1	1
Food and beverage industries Tobacco products industries Rubber industries Leather industries Textile industries Knitting mills Clothing industries Wood industries Furniture and fixture industries Paper and allied industries Printing, publishing and allied industries Printing, publishing and allied industries Printing, publishing and allied industries Printing publishing and allied industries Printing industries Metal fabricating industries (except machinery	2, 420 21 33 303 388 206 1, 504 1, 699 715 188 992 114	48,690 6,828 5,703 16,397 38,175 11,066 56,304 17,405 12,704 35,724 20,082 19,078	172, 197, 381 29, 527, 391 21, 137, 048 43, 578, 230 126, 915, 646 29, 657, 213 146, 608, 083 47, 578, 472 40, 131, 819 175, 147, 493 88, 832, 390 98, 288, 935	17,839,244 584,227 1,222,460 757,943 8,404,661 924,377 1,817,180 3,598,330 1,422,260 49,055,102 1,567,167 23,786,696	823, 149, 444 104, 901, 410 31, 984, 440 67, 471, 320 272, 926, 148 63, 004, 173 284, 424, 117 100, 926, 720 62, 437, 766 367, 425, 110 83, 370, 544 539, 759, 990	464, 989, 857 88, 892, 939 36, 492, 736 69, 850, 091 222, 658, 115 51, 832, 913 238, 800, 500 80, 883, 491 66, 438, 042 386, 092, 935 168, 151, 018 218, 908, 886	1,302,242,856 193,459,191 69,726,799 137,487,844 504,148,479 114,802,182 522,615,211 188,181,095 129,780,777 797,803,472 252,775,773 780,811,470
and transportation equipment industries) Machinery industries (except electrical machinery). Transportation equipment industries Electrical products industries Non-metallic mineral products industries Petroleum and coal products industries Chemical and Chemical products industries Miscellaneous manufacturing industries	706 94 110 113 393 15 340 601	26, 319 7, 640 30, 602 23, 414 12, 088 2, 937 18, 742 13, 831	115, 058, 662 32, 922, 995 146, 859, 379 107, 911, 682 50, 322, 765 17, 838, 596 89, 700, 016 46, 357, 993	4,708,588 1,207,134 4,516,689 2,949,034 14,122,543 3,208,426 13,843,560 1,600,939	202, 173, 140 48, 806, 889 170, 396, 585 151, 363, 340 73, 863, 613 296, 197, 909 165, 438, 800 72, 398, 990	195, 097, 928 58,024, 503 189, 465, 224 169, 133, 365 111, 379, 695 82, 920, 307 224, 934, 271 82, 909, 190	400, 307, 641 106, 214, 493 362, 126, 224 323, 181, 160 198, 467, 376 381, 058, 528 406, 437, 635 157, 992, 456
Totals	10, 955	423, 729	1, 626, 572, 189	157, 135, 960	3, 982, 419, 548	3, 207, 856, 006	7, 327, 257, 662
Ontario							
Food and beverage industries Tobacco products industries Rubber industries Leather industries Textile industries Clothing industries Wood industries Wood industries Furniture and fixture industries Paper and allied industries Printing, publishing and allied industries Printing, publishing and allied industries Primary metal industries Metal fabricating industries (except machinery and transportation equipment industries) Machiney industries(except electrical machinery) Transportation equipment industries)	2, 658 16 48 200 373 131 581 928 838 260 1, 439 203 1, 427 332 283	77, 094 2, 601 12, 768 13, 700 21, 426 8, 637 22, 063 15, 309 15, 215 35, 873 37, 044 53, 022 53, 109 30, 810 57, 708	298, 377, 801 9, 599, 209 59, 305, 860 42, 500, 108 76, 761, 707 23, 973, 624 63, 616, 682 49, 729, 100 54, 305, 510 174, 060, 748 173, 373, 400 281, 501, 656 240, 226, 697 146, 798, 738 295, 074, 983	30, 370, 218 449, 815 3, 928, 656 1, 402, 339 6, 172, 720 824, 632 819, 296 3, 192, 125 1, 880, 367 36, 319, 935 3, 351, 216 48, 513, 182 11, 315, 952 4, 912, 232 12, 829, 115	1, 256, 939, 689 100, 382, 860 112, 911, 142 77, 066, 614 172, 175, 312 46, 907, 706 98, 442, 658 94, 071, 051 33, 012, 148 396, 935, 976 147, 175, 393 331, 367, 102 420, 116, 666 234, 281, 244 881, 994, 654	759, 458, 660 39, 707, 749 129, 666, 869 65, 342, 790 154, 042, 324 42, 051, 299 100, 925, 940 80, 853, 469 90, 304, 122 356, 988, 054 305, 244, 924 744, 709, 876 432, 411, 659 245, 306, 158 534, 747, 656	2, 034, 875, 886 141, 471, 111 252, 479, 238 141, 457, 860 331, 650, 489 90, 125, 132 197, 107, 808 177, 379, 694 174, 258, 352 787, 841, 748 455, 058, 523 864, 992, 249 485, 330, 297 1, 141, 296, 695
Electrical products industries	345 519 24 528 948	52,843 19,546 5,835 27,789 29,023	233, 048, 153 87, 809, 980 36, 686, 624 137, 650, 905 113, 006, 764	7, 770, 906 22, 343, 043 2, 556, 589 34, 196, 891 3, 560, 302	408, 770, 412 120, 566, 553 291, 617, 304 385, 642, 926 176, 915, 409	422, 601, 569 183, 869, 975 90, 581, 230 445, 483, 203 205, 555, 506	830, 790, 452 324, 616, 852 386, 442, 003 861, 064, 367 381, 388, 665
Totals	12, 081	591, 415	2, 597, 408, 249	236, 709, 531	6, 337, 292, 819	5, 429, 853, 032	11,957, 329, 553
Manitoba							
Food and beverage industries	361	9, 647	38,546,320	3,607,549	208, 919, 073	77, 963, 311	291, 080, 140
Leather industries Textile industries Knitting mills Clothing industries Wood industries Furniture and fixture industries Paper and allied industries Printing, publishing and allied industries Primary metal industries	17 35 4 129 162 120 23 194 13	537 575 128 5.694 1.090 1,818 1,553 3,808 2,507	1,465,211 1,686,647 305,965 14,812,057 3,239,744 6,244,308 6,505,912 15,363,312 12,121,620	41,041 67,993 11,755 189,909 217,238 209,352 1,689,503 347,533 5,272,391	3,546,035 7,163,939 747,294 28,653,237 4,458,295 11,305,446 18,211,780 11,796,836 26,317,048	1,996,899 3,038,062 601,675 21,524,853 5,231,348 9,711,898 19,448,868 27,118,678 40,284,106	5, 564, 524 10, 259, 574 1, 348, 484 50, 069, 574 9, 865, 131 21, 210, 485 39, 139, 648 39, 176, 722 71, 192, 218
Metal fabricating industries (except machinery and transportation equipment industries). Machinery industries (except electrical machinery) Transportation equipment industries Electrical products industries Non-metallic mineral products industries. Petroleum and coal products industries.	115 31 32 19 50	3, 266 4, 082 5, 176 816 1, 361	14, 282, 490 4, 152, 547 21, 642, 010 2, 921, 209 5, 639, 947	482, 943 191, 779 919, 518 132, 244 2, 131, 571	21,029,189 7,895,167 25,615,721 6,783,970 9,119,142	22,384,493 7,741,700 27,840,597 6,415,126 16,261,407	43, 585, 895 15, 400, 590 54, 133, 253 13, 295, 917 27, 253, 444
Chemical and chemical products industries Miscellaneous manufacturing industries Groups for which no data shown ³	33 69	701 920 533	2, 606, 968 2, 915, 128 2, 850, 965	152, 172 107, 582 471, 894	9, 061, 187 4, 876, 222 35, 940, 741	8, 681, 836 5, 218, 776 13, 771, 648	17, 614, 307 10, 115, 146 49, 689, 587
Totals	1, 416	41, 212	157, 302, 360	16, 243, 967	441, 440, 322	315, 235, 281	769, 894, 639

132

TARLE 49. Principal Statistics of the Manufacturing Industries, by Province and Industrial Group, 1961

TABLE 49. Principal Statistics of the	ne Manu	facturing	Industries, b	y Province	and Industrial	Group, 1961 -	- Concluded
Province and industrial group	Estab- lish- ments	Total em- ployees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
Saskatchewan	nu	mber		1	dollars		
Food and beverage industries	221	5, 664	22, 128, 026	2 202 450	110 002 054	F2 202 F00	150 005 054
Tobacco products industries	-	3,004	22, 120, 020	2, 293, 456	119, 093, 054	52, 226, 508	173, 687, 054
Rubber industries	1	1	1 -	1	ı -	1 -	1 -
Textile industries	-	83	236, 647	5, 592	982, 550	357, 107	1, 347, 405
Knitting mills Clothing industries Wood industries Furniture and fixture industries Paragraphic all industries	7 116	232 852	740, 104	19, 288 189, 749 13, 890 141, 852	1,415,494	1,407,492	2, 858, 409
Furniture and fixture industries	33	84	2, 415, 744 246, 148	13, 890	5, 660, 793 252, 294	3, 972, 568 372, 052	9, 649, 065 634, 782
Paper and allied industries	133	1,485	674, 443 5, 614, 736	141, 852 179, 579 2, 713, 613	252, 294 1, 860, 783 3, 495, 021	1, 234, 446 9, 459, 048 17, 267, 752	3, 267, 454 13, 164, 937 37, 066, 622
Primary metal industries	5	785	3, 808, 694		18, 726, 384		37, 066, 622
and transportation equipment industries)	49 11	763 146	3, 107, 493 621, 971	120, 927 26, 206	6, 659, 355 719, 414	4, 895, 967 1, 334, 612	11, 769, 238 2, 194, 783
Machinery industries (except electrical machinery) Transportation equipment industries Electrical products industries	5 4	1 22	85, 883	4, 397	55,779	137, 582	204, 350
Non-metallic mineral products industries Petroleum and coal products industries	35 10	560	2, 362, 858	914, 905	4, 605, 606	7, 064, 260	12, 467, 537
Chemical and chemical products industries	9	78	312, 338 421, 701	32, 332	1, 065, 770	1, 325, 720	2, 287, 400
Miscellaneous manufacturing industries	21	125 1, 090	6, 170, 976	10, 250 994, 376	475, 890 53, 747, 035	654, 693	1, 116, 500 72, 716, 667
Totals	675	12, 149	48, 947, 762	7, 660, 412	218, 815, 222	120, 971, 938	344, 432, 203
Alberta							
Food and beverage industries	435	11,605	45, 383, 605	3, 840, 841	284, 112, 013	05 179 016	200 000 444
Food and beverage industries Tobacco products industries Rubber industries	- 4	1 -	10,000,000	1	1	95, 173, 816	383, 367, 444
Leather industries	8	94	292, 411	24, 183		485 582	1, 144, 579
Textile industries	3	403	1, 702, 889 81, 442	79, 464	652, 602 4, 754, 590 93, 278 6, 330, 025	2, 950, 251 102, 708 6, 660, 568 17, 299, 386	7, 776, 842
Knitting mills Clothing industries Wood industries	18 299	1, 239 3, 366	3, 302, 964 10, 001, 915	37, 102 955, 907	6, 330, 025 20, 413, 328	6, 660, 568	12, 775, 165 38, 785, 137 10, 615, 187
Paper and allied industries Paper and allied industries Printing publishing and allied industries	94 21	926 1, 196	3, 222, 663 6, 018, 566	103, 098 1, 536, 374	5, 213, 503 19, 271, 609	5, 335, 089 20, 509, 756	10, 615, 187
Printing, publishing and allied industries Primary metal industries	195	2,697	11, 276, 825	234, 090	9, 444, 256 42, 677, 704	21, 782, 976 21, 417, 692	41, 302, 919 31, 445, 619 67, 596, 720
Metal labricating industries (except machinery	19	1,510	8, 176, 591	1, 175, 505			67, 596, 720
and transportation equipment industries) Machinery industries (except electrical machinery)	152 20	3,576 409	16, 104, 915 1, 785, 756	575, 882 169, 781	28, 435, 953 3, 806, 458	26, 317, 529 2, 869, 235 14, 835, 456	54, 540, 242
Transportation equipment industries Electrical products industries	35	2, 981	1, 785, 756 12, 273, 548	169, 781 287, 712	3, 806, 458 12, 642, 213	14, 835, 456	6, 705, 136 27, 708, 446
Electrical products industries Non-metallic mineral products industries Petroleum and coal products industries	99 20	3, 280 1, 640	13, 965, 241 9, 577, 275 9, 984, 194 2, 123, 789 2, 073, 895	2, 566, 261	22, 772, 518 76, 997, 734 21, 999, 011 2, 099, 395 7, 016, 671	34, 858, 594	60, 587, 743
Chemical and chemical products industries	36 84	1,860	9, 984, 194	1, 930, 554 3, 501, 716 88, 379 162, 724	21, 999, 011	30, 119, 393 33, 764, 976	108, 631, 340 59, 458, 981
Groups for which no data shown ³	04	548 551	2, 123, 789	162, 724	2, 099, 395 7, 016, 671	3, 960, 222 8, 288, 609	5, 946, 468 15, 240, 521
Totals	1,569	37, 921	157, 348, 484	17, 271, 495	568, 732, 861	346, 731, 838	933, 826, 476
British Columbia							
Food and beverage industries Tobacco products industries	649	15, 444	60, 381, 457	5, 611, 916	257, 938, 658	141, 355, 254	399, 776, 809
Rupper industries	-6	- 65	301, 299	25, 263	212, 414	457, 596	_
Leather industries Textile industries Knitting mills Clothing industries Wood industries	15 38	238 730	704, 114 2, 521, 494	25, 116	994, 996 4, 586, 359	1, 123, 421	690, 152 2, 135, 212
Knitting mills	51	1, 500	1 1	122, 688	1	4, 028, 565	8, 646, 301
Clothing industries Wood industries Furniture and fixture industries Paper and allied industries Printing, publishing and allied industries Primary metal industries Metal fabricating industries (except machinery and transportation equipment industries)	1, 199	35, 808	4, 171, 698 152, 843, 267 7, 127, 832 61, 229, 049	84, 166 10, 779, 606	6, 424, 425 327, 293, 170	6, 159, 267 218, 161, 562	12, 712, 908 556, 103, 060
Paper and allied industries	225 43	1, 926 11, 122	61, 229, 049	206, 438 16, 903, 829	10, 988, 574 125, 629, 715	11, 118, 351	22, 260, 088 323, 142, 939
Primary metal industries	306 41	4, 732 6, 641	22, 875, 638 35, 373, 558	513, 696 4, 065, 777	125, 629, 715 14, 392, 050 108, 034, 239	182, 960, 503 40, 917, 812 66, 500, 898	55, 819, 360 177, 725, 907
Metal fabricating industries (except machinery and transportation equipment industries)	326	4, 959	1	1, 060, 477			
Transportation equipment industries machinery)	49 125	1, 619 4, 433	23, 354, 551 7, 922, 204 21, 428, 216 4, 590, 720	268, 740	39, 819, 137 7, 691, 313 19, 250, 643	42, 033, 863 12, 432, 773	83, 835, 316 20, 926, 759
Electrical products industries Non-metallic mineral products industries	33	1, 028	4, 590, 720	562, 033 207, 694	9, 132, 905	33, 906, 298 8, 337, 666	53, 468, 404 17, 419, 196
remoteum and coal products indistries	117	1,832	9, 012, 412	2, 573, 182	11, 977, 470	17, 520, 832	32, 224, 249
Miscellaneous manufacturing industries	100 164	2, 517 1, 261	11, 996, 249 5, 206, 485	2, 720, 327 187, 138	31, 836, 964 4, 925, 563	40, 689, 226 7, 927, 058	71, 861, 311
Groups for which no data shown's		1, 663	5, 206, 485 9, 157, 533	1, 439, 485	83, 944, 412	27, 811, 593	12, 839, 255 115, 504, 212
Totals	3, 502	97, 518	440, 197, 776	47, 357, 571	1, 065, 073, 007	863, 442, 538	1, 967, 091, 438
Yukon and Northwest Territories							
Food and beverage industries	5 4 3	16 42	54, 217	11, 068	78, 296	128, 713	218, 545
Printing, publishing and allied industries Petroleum and coal products industries		} 1	150, 887	20, 825	249, 668	226, 479	475, 851
Groups for which no data shown.		80	476, 142	19, 832	2, 272, 092	352, 793	2, 739, 739
Totals	13	138	681, 246	51, 725	2, 600, 056	707, 985	3, 434, 135

Confidential; included in "Groups for which no data shown".
 Publication authorized by firms concerned.
 Totals of confidential items in above industrial groups.

TABLE 50. Principal Statistics of the Manufacturing Industries, by Province and Number of Employees per Establishment, 1961.

Province and employee group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments	
	nun	nber		do	llars		
Canada:							
Under 5 employees	12,071 9,239 6,434 2,276 1,249 809 228 57 52	27, 788 76, 825 173, 974 157, 952 173, 351 244, 688 158, 965 71, 500 163, 973 15, 930	70,899,120 244,712,791 601,294,267 566,439,216 658,730,041 1,028,359,342 737,224,213 353,525,453 864,165,061 106,097,465	6, 904, 338 20, 934, 820 44, 258, 203 43, 045, 919 61, 695, 556 99, 413, 689 99, 102, 976 59, 760, 974 80, 268, 280	192, 939, 010 612, 356, 968 1, 467, 666, 847 1, 495, 527, 348 1, 788, 154, 880 2, 705, 592, 754 1, 914, 259, 295 968, 135, 513 1, 983, 075, 361	332,585,91 1,092,658,38; 2,678,001,53; 2,718,508,83; 3,279,907,23; 4,937,312,55; 3,629,735,19; 1,765,708,25; 3,808,877,03;	
Totals	32,415	1, 264, 946	5, 231, 446, 969	515, 384, 755	13, 127, 707, 976	24, 243, 294, 94	
Newfoundland:							
Under 5 employees	209 47 37 22 16 7	351 408 1,040 1,535 2,042 4,486	1, 113, 682 2, 832, 072 4, 431, 946 4, 500, 522 22, 265, 358	48, 426 172, 538 269, 821 460, 880 702, 671 5, 409, 708	862, 202 2, 205, 508 5, 806, 375 9, 526, 507 7, 811, 344 34, 416, 932	1,838,75 4,823,75 11,692,72 19,798,11 16,888,69 82,182,14	
Totals	338	9, 896	35, 969, 805	7, 064, 044	60, 628, 868	137, 224, 20	
Prince Edward Island:							
Under 5 employees	85 41 25 5	168 357 641 558	302,766 789,124 1,308,773 1,806,811	35,878 124,091 123,373 179,676	973, 176 3, 449, 630 6, 528, 450 10, 239, 802	1,509,06 5,167,08 9,355,33 14,009,55	
Totals	156	1,724	4, 207, 474	463, 018	21, 191, 058	30, 041, 03	
Nova Scotia:							
Under 5 employees	437 294 179 48 21 17 6	1,014 2,434 4,678 3,195 2,972 5,024 7,464	1,860,169 5,695,887 12,254,331 8,971,679 9,198,206 17,758,205 33,090,205 90,464	202,651 789,766 1,448,793 938,009 1,161,267 1,466,808 4,004,332	3,246,304 14,935,114 33,964,032 25,490,882 18,321,557 70,237,342 40,268,256	6,830,29 26,678,64 59,496,02 43,230,10 37,273,32 115,213,39 86,585,10	
Totals	1, 002	26, 801	88, 919, 256	10, 011, 626	206, 463, 487	375, 306, 90	
New Brunswick:							
Under 5 employees	277 232 116 35 28 13	628 1,937 3,225 2,338 3,847 3,892 6,413 163	1, 183, 760 4, 609, 208 8, 662, 762 6, 336, 391 10, 220, 217 15, 632, 034 26, 017, 559 1, 230, 437	161, 234 577, 166 1, 068, 269 817, 351 1, 428, 884 3, 428, 007 7, 934, 495	2,931,302 10,890,471 27,977,002 20,844,048 25,733,370 74,756,212 60,618,323	5, 255, 15 19, 930, 38 46, 181, 21 32, 525, 56 53, 067, 15 111, 883, 37 128, 613, 84	
Totals	708	22, 443	73, 892, 368	15, 415, 406	223, 050, 728	397, 456, 69	
Under 5 employees	4, 304	9, 804	23, 709, 026	2, 402, 764	91, 107, 136	130 001 51	
5 to 14 employees 15 " 49 " 50 " 99 " 100 " 199 " 200 " 499 " 500 " 999 " 1,000 " 1,499 " 1,500 employees and over	2, 935 2, 190 769 371 266 81 22	24, 348 59, 559 53, 508 50, 929 81, 869 57, 366 27, 681 51, 384	23, 709, 026 71, 635, 241 183, 226, 123 169, 207, 472 172, 764, 444 317, 365, 831 253, 363, 124 133, 297, 923 255, 024, 326	2, 402, 104 5, 552, 496 11, 281, 442 11, 883, 254 14, 626, 511 33, 636, 001 35, 897, 944 30, 544, 070 11, 311, 478	91, 107, 136, 219, 108, 327, 436, 550, 039, 418, 085, 943, 471, 264, 598, 846, 387, 751, 772, 079, 449, 379, 909, 362, 347, 926, 943	139, 801, 51 365, 372, 86 793, 073, 71 777, 635, 43 858, 952, 95 1, 563, 228, 99 1, 415, 944, 96 654, 654, 16 758, 593, 06	
Totals	10, 955	7, 281 423, 729	46, 978, 679 1, 626, 572, 189	157, 135, 960	3, 982, 419, 548	7,327,257,66	

TABLE 50. Principal Statistics of the Manufacturing Industries, by Province and Number of Employees per
Establishment, 1961¹ — Concluded

	Establis	hment, 196	1 - Concluded	i 		
Province and employee group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nui	nber		d	ollars	
Ontario:						
Under 5 employees	3,803 3,480 2,623 1,005 625 388 102 27 28	8, 923 29, 089 71, 166 69, 690 88, 363 116, 675 70, 694 33, 909 96, 898 6, 008	25, 074, 545 98, 792, 608 265, 288, 146 266, 388, 065 352, 446, 874 505, 310, 493 341, 240, 365 170, 450, 980 530, 460, 206 41, 985, 967	2, 271, 283 7, 833, 895 19, 179, 628 20, 439, 475 30, 210, 308 35, 666, 645 40, 548, 645 22, 476, 666 58, 083, 566	58, 284, 259 221, 185, 599 638, 306, 253 719, 160, 887 858, 892, 602 1, 132, 949, 932 744, 218, 594 481, 674, 740 1, 482, 619, 953	107, 281, 571 410, 901, 754 1, 177, 228, 205 1, 308, 350, 565 1, 628, 660, 493 2, 187, 297, 919 1, 481, 964, 194 919, 869, 158 2, 735, 775, 694
Totals	12, 081	591, 415	2,597,408,249	236, 709, 531	6, 337, 292, 819	11, 957, 329, 553
Manitoba:						
Under 5 employees 5 to 14 employees 15 49 50 99 " 100" 199 " 200" 499 " 500 employees and over Head offices	595 353 278 110 47 24 9	1,305 2,950 7,655 7,812 6,359 6,614 8,410	3,382,617 9,497,792 26,216,104 27,337,592 24,567,044 27,611,580 38,118,300 571,331	335, 180 808, 981 1, 780, 914 1, 657, 531 1, 814, 324 4, 685, 436 5, 161, 601	7, 280, 388 29, 054, 575 64, 902, 825 62, 061, 477 96, 173, 799 55, 039, 371 126, 927, 887	13,912,365 48,735,687 117,729,212 117,780,361 156,492,342 114,694,860 200,549,812
Totajs	1,416	41, 212	157, 302, 360	16, 243, 967	441, 440, 322	769, 894, 639
Saskatchewan:						
Under 5 employees 5 to 14 employees 15 " 49 " 50 " 99 " 100" 199 " 200 employees and over Head offices	300 235 88 25 17 10	682 1,978 2,324 1,744 2,084 3,239 98	1,736,551 6,532,918 8,479,440 7,070,713 9,192,314 15,202,207 733,619	192,567 757,148 838,578 661,672 1,333,059 3,877,388	2,583,431 19,031,143 27,769,743 16,954,272 40,152,634 112,323,999	5, 878, 516 32, 800, 315 45, 571, 217 33, 631, 455 67, 208, 727 159, 341, 973
Totals	675	12, 149	48, 947, 762	7, 660, 412	218, 815, 222	344, 432, 203
Alberta:						
Under 5 employees 5 to 14 employees 15 " 49 " " 50 " 99 " " 100" 199 " " 200" 499 " " 500" 999 " " Head offices	630 534 257 70 41 28 9	1,544 4,391 6,976 4,911 5,436 8,659 5,735	4, 121, 441 14, 583, 464 26, 504, 145 20, 779, 460 24, 289, 137 40, 666, 582 24, 865, 620 1, 538, 631	465, 591 1, 348, 810 2, 140, 270 1, 958, 272 3, 759, 678 6, 565, 478 1, 033, 396	10,010,835 39,235,260 67,359,777 87,353,584 101,909,336 154,291,225 108,572,844	17,822,211 67,569,777 126,981,377 141,297,219 174,038,876 253,660,462 152,456,554
Totals	1,569	37, 921	157, 348, 484	17, 271, 495	568, 732, 861	933, 826, 476
British Columbia:						
Under 5 employees	1,423 1,085 640 188 82 58 20 3	3,348 8,905 16,682 12,952 11,204 17,742 13,814 3,904 7,017 1,950	8,823,626 31,348,577 66,417,348 55,096,466 51,215,071 87,128,461 69,881,279 19,323,568 38,180,881 12,782,499	778, 243 2, 951, 453 6, 118, 366 4, 125, 525 6, 648, 601 9, 885, 444 11, 544, 867 813, 903 4, 491, 169	15,579,354 53,100,992 158,376,840 130,903,943 167,785,713 266,896,224 144,658,801 29,898,034 97,873,106	32, 210, 265 110, 333, 039 290, 428, 922 237, 803, 897 286, 543, 586 436, 415, 710 315, 520, 990 60, 247, 429 197, 587, 600
Totals	3,502	97, 518	440, 197, 776	47, 357, 571	1,065,073,007	1, 967, 091, 438
Yukon and Northwest Territories:						
All employees	13	138	681, 246	51,725	2,600,056	3, 434, 135
Totals	13	138	681, 246	51, 725	2,600,056	3, 434, 135

¹ Based on the revised (1960) Standard Industrial Classification and the New Establishment Concept; not directly comparable with previous years.

TABLE 51. Principal Statistics of the Manufacturing Industries, by Province and Selling Value of Factory Shipments, 1961¹

	Fact	tory Shipme	nts, 1961¹				
Province and value group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments	
Constant	nun	nber		d	ollars		
Canada: Under \$10,000 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 4,999,999 5,000,000 and over Head offices	4,004 4,784 4,530 4,434 4,194 4,484 2,372 2,823 790	5, 756 13, 468 22, 624 37, 560 57, 789 115, 925 123, 644 359, 225 513, 027 15, 930	9, 211, 070 30, 697, 808 59, 910, 917 108, 625, 076 182, 499, 249 383, 008, 940 427, 208, 992 1, 388, 399, 653 2, 535, 788, 699 106, 097, 465	866, 286 2, 452, 892 4, 196, 491 7, 507, 075 12, 154, 460 24, 897, 449 26, 777, 284 101, 164, 354 335, 368, 464	7, 616, 128 32, 652, 703 68, 003, 150 144, 640, 156 296, 808, 33 751, 426, 638 883, 605, 784 3, 146, 196, 527 7, 796, 757, 959	21, 340, 387 80, 455, 839 162, 752, 093 319, 653, 784 601, 098, 287 1, 487, 837, 546 1, 672, 586, 766 6, 019, 674, 443 13, 927, 895, 804	
Totals	32, 415	1, 264, 946	5, 231, 446, 969	515, 384, 755	13, 127, 707, 976	24, 243, 294, 949	
Newfoundland: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 and over Head offices	161 44 19 22 23 26 18 25	218 134 104 233 446 1,022 1,397 6,308	316, 018 283, 036 285, 111 540, 098 1, 124, 588 2, 609, 648 2, 958, 021 27, 667, 447 185, 638	17, 131 19, 289 30, 684 57, 868 141, 842 243, 878 316, 382 6, 236, 970	370, 716 316, 245 310, 819 585, 467 1, 675, 414 4, 327, 159 7, 451, 217 45, 591, 831	751, 774 721, 475 703, 179 1, 588, 370 3, 508, 928 8, 669, 199 12, 836, 123 108, 245, 161	
Totals	338	9, 896	35, 969, 805	7, 064, 044	60, 628, 868	137, 224, 209	
Prince Edward Island: Under \$10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 500,000 " 499,999 1,000,000 " 499,999 1,000,000 and over	48 20 18 26 18 17 3 6	65 64 73 240 266 466 147 403	103,533 95,232 152,943 473,808 577,981 848,160 430,789 1,525,028	6, 019 9, 314 21, 455 54, 241 74, 224 95, 802 22, 433 179, 530	60, 295 167, 412 399, 521 1, 043, 847 1, 350, 019 3, 939, 607 1, 188, 656 13, 041, 701	197, 753 314, 445 661, 913 1, 889, 643 2, 518, 036 5, 335, 213 1, 996, 584 17, 127, 452	
Totals	156	1, 724	4, 207, 474	463, 018	21, 191, 058	30, 041, 039	
Nova Scotia: Under \$10,000 \$10,000 to \$24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 999,999 1,000,000 " 499,999 1,000,000 " 4,999,999 1,000,000 and over Head offices	198 213 146 110 108 120 43 55	319 713 895 981 1,738 3,660 2,273 8,015 8,187 20	429, 611 1, 299, 484 1, 784, 081 2, 206, 775 4, 334, 556 9, 245, 584 5, 997, 729 27, 139, 623 36, 391, 349 90, 464	45, 476 128, 873 163, 182 255, 678 475, 990 1, 144, 128 736, 723 2, 489, 415 4, 572, 161	411, 910 1, 458, 320 2, 395, 936 3, 835, 387 8, 059, 852 20, 379, 529 19, 502, 157 59, 797, 753 90, 622, 643	1,069,226 3,514,929 5,283,020 7,823,567 15,718,784 37,985,595 31,887,166 112,902,983 159,141,630	
Totals	1, 002	26, 801	88, 919, 256	10, 011, 626	206, 463, 487	375, 306, 900	
New Brunswick: Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 100,000 " 199,999 200,000 " 499,999 200,000 " 499,999 1,000,000 " 499,999 5,000,000 " 499,999 1,000,000 " 4,999,999 Head offices	129 123 99 110 71 72 47 46	223 468 564 1, 044 1, 037 2, 097 2, 656 6, 778 7, 413 163	250, 227 783, 065 1, 207, 737 2, 238, 227 2, 730, 920 5, 074, 492 7, 177, 688 21, 307, 692 31, 891, 883 1, 230, 437	27, 757 85, 074 113, 917 251, 263 339, 989 542, 418 812, 582 2, 868, 121 10, 374, 285	266, 981 858, 262 1, 554, 320 4, 043, 199 5, 553, 224 13, 222, 398 18, 403, 215 56, 099, 607 122, 409, 522	641, 305 2, 044, 404 3, 555, 059 8, 119, 012 10, 213, 064 22, 802, 808 32, 928, 748 103, 131, 576 214, 020, 719	
Totals	708	22, 443	73, 892, 368	15, 415, 406	223, 050, 728	397, 456, 695	
Quebec: Under \$10,000	1, 369 1, 580 1, 534 1, 593 1, 518 1, 524 793 804 240	1, 945 4, 461 8, 088 14, 313 21, 817 40, 998 44, 243 112, 269 168, 314 7, 281	2, 939, 755 9, 721, 207 19, 146, 792 36, 583, 195 61, 822, 528 122, 268, 507 136, 840, 101 392, 106, 935 798, 164, 490 46, 978, 679	300, 551 729, 902 1, 195, 911 2, 214, 427 3, 515, 159 6, 405, 223 7, 521, 847 27, 041, 695 108, 211, 245	2, 400, 999 11, 306, 825 24, 389, 573 55, 224, 078 113, 134, 837 266, 658, 429 296, 259, 341 880, 187, 506 2, 332, 857, 960	7, 019, 065 26, 735, 504 55, 245, 838 114, 610, 306 216, 739, 836 487, 457, 455 552, 867, 012 1, 894, 992, 211 4, 171, 590, 435	
Totals	10, 955		1, 626, 572, 189	157, 135, 960	3, 982, 419, 548	7, 327, 257, 662	

136

TABLE 51. Principal Statistics of the Manufacturing Industries, by Province and Selling Value of Factory Shipments, 1961 - Concluded

	Factory Si	nipments, 1	9611 - Conclud	led		
Province and value group	Estab- lish- ments	Total employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
Ontario:	nun	nber		d	ollars	
Under \$10,000 \$ 10,000 to \$ 24,999 25,000 '' 49,999 50,000 '' 99,999 100,000 '' 199,999 200,000 '' 499,999 5,000,000 '' 999,999 1,000,000 '' 4,999,999 5,000,000 '' 4,999,999 Head offices	1, 022 1, 368 381	1, 569 4, 071 7, 664 13, 031 21, 468 47, 424 53, 559 175, 036 261, 585 6, 008	2,771,768 10,139,913 22,137,985 41,429,321 72,642,997 168,361,886 198,842,267 708,100,534 1,330,995,611 41,985,967	230, 346 751, 959 1, 464, 281 2, 724, 046 4, 740, 156 10, 219, 126 12, 028, 075 46, 767, 754 157, 783, 788	2, 176, 479 10, 477, 183 23, 781, 748 51, 764, 895 110, 551, 161 294, 257, 834 367, 037, 594 1, 526, 719, 757 3, 950, 526, 168	6, 115, 353 26, 031, 015 58, 124, 892 117, 233, 678 231, 118, 948 593, 045, 768 725, 928, 516 2, 974, 049, 890 7, 225, 681, 493
Totals	12, 081	591, 415	2, 597, 408, 249	236, 709, 531	6, 337, 292, 819	11, 957, 329, 553
Manitoba:						
Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 499,999 1,000,000 " 4,999,999 1,000,000 and over Head offices	231 225 183 164 156 205 113 119 20	273 585 834 1,400 2,266 5,448 5,705 13,769 10,825	478, 635 1, 397, 490 2, 450, 833 4, 259, 368 6, 947, 837 17, 577, 826 19, 656, 741 54, 166, 724 49, 795, 575 571, 331	50, 980 116, 143 178, 958 244, 278 402, 040 1, 176, 993 1, 029, 134 3, 170, 842 9, 874, 599	416, 523 1, 498, 722 2, 613, 278 5, 112, 630 11, 551, 579 34, 137, 092 44, 273, 436 136, 685, 975 205, 151, 087	1, 145, 962 3, 688, 960 6, 523, 587 11, 811, 334 22, 515, 194 65, 893, 542 81, 468, 805 252, 404, 652 324, 442, 603
Totals	1, 416	41, 212	157, 302, 360	16, 243, 967	441, 440, 322	769, 894, 639
Saskatchewan:						
Under \$10,000. \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 499,999 1,000,000 " 4,999,999 1,000,000 " 4,999,999 Head offices	115 134 99 84 68 80 45 36 14	169 398 458 731 749 1,440 1,455 3,220 3,431	286, 531 914, 676 1, 309, 730 2, 334, 964 2, 667, 620 5, 268, 756 5, 475, 941 13, 406, 786 16, 549, 139 733, 619	35, 017 90, 341 110, 729 178, 526 227, 906 576, 188 634, 854 1, 711, 005 4, 095, 846	181, 188 762, 677 1, 209, 361 2, 328, 563 4, 734, 741 15, 412, 936 17, 739, 922 40, 750, 950 135, 694, 884	587, 255 2, 262, 944 3, 377, 531 6, 137, 985 9, 842, 556 26, 437, 827 29, 834, 775 70, 129, 081 195, 822, 249
Totals	675	12, 149	48, 947, 762	7, 660, 412	218, 815, 222	344, 432, 203
Alberta:						022, 200, 200
Under \$10,000 \$ 10,000 to \$ 24,999 25,000 " 49,999 50,000 " 99,999 100,000 " 199,999 200,000 " 499,999 500,000 " 499,999 1,000,000 " 4,999,999 5,000,000 and over Head offices	194 261 250 231 199 193 85 116 40	286 775 1, 214 1, 732 2, 374 3, 879 3, 124 11, 777 12, 491 269	471, 785 1, 863, 703 3, 452, 123 5, 615, 501 8, 413, 058 14, 270, 133 11, 867, 839 50, 096, 243 59, 759, 468 1, 538, 631	50, 911 175, 132 263, 473 438, 510 681, 333 1, 128, 096 896, 818 4, 818, 969 8, 818, 253	338, 902 1, 591, 288 3, 301, 317 7, 287, 207 13, 431, 580 33, 665, 097 32, 819, 091 129, 638, 152 346, 660, 227	1, 042, 637 4, 349, 025 8, 843, 748 16, 634, 132 28, 201, 825 60, 189, 540 58, 052, 947 247, 588, 676 508, 923, 946
Totals	1, 569	37, 921	157, 348, 484	17, 271, 495	568, 732, 861	933, 826, 476
British Columbia:					300, 100, 301	300, 0x0, ±10
Under \$10,000 \$ 10,000 to \$ 24,999 25,000 ' 49,999 50,000 '' 99,999 100,000 '' 199,999 200,000 '' 499,999 200,000 '' 499,999 1,000,000 '' 499,999 1,000,000 '' 4,99,999 5,000,000 and over Head offices	460 645 572 470 427 403 203 250 72	686 1, 794 2, 718 3, 847 5, 605 9, 463 9, 085 25, 022 37, 348 1, 950	1, 160, 214 4, 192, 284 7, 944, 593 12, 908, 837 21, 143, 326 37, 378, 925 37, 960, 976 112, 618, 102 192, 108, 020 12, 782, 499	101,584 346,290 647,787 1,081,632 1,540,633 3,356,848 2,778,436 11,116,995 26,387,366	987, 009 4, 205, 419 7, 953, 596 13, 371, 708 26, 637, 884 65, 301, 046 78, 931, 155 291, 959, 944 575, 725, 246	2, 757, 896 10, 771, 666 20, 297, 495 33, 678, 406 60, 446, 649 129, 557, 018 144, 786, 090 519, 600, 501 1, 045, 195, 717
Totals	3, 502	97, 518	440, 197, 776	47, 357, 571	1, 065, 073, 007	
Yukon and Northwest Territories:			,, 110	21,001,011	1, 000, 073, 007	1, 967, 091, 438
Under \$25,000 \$ 25,000 and over	3 10	6 132	10, 711 670, 535	1,089 50,636	15, 476 2, 584, 580	33, 633 3, 400, 502
Totals	13	138	681, 246	51, 725	2, 600, 056	3, 434, 135

¹ Based on the revised (1960) Standard Industrial Classification and New Establishment Concept; not directly comparable with previous years.

SECTION B. THE ATLANTIC PROVINCES

Culminating a series of three consecutive annual gains, the selling value of factory shipments in the four Atlantic Provinces reached a record \$940.0 million in 1961. The 3.0 per cent increase over the 1960 total of \$912.4 million was accomplished despite a 6.5 per cent net drop in the number of reporting establishments from 2,357 to 2,204 and a marginal decline in the

number of employees from 61,071 to 60,864. Salaries and wages paid in 1961 totalled \$203.0 million and materials used cost \$511.3 million, representing increases of 2.1 and 4.3 per cent, respectively. The value added by manufacture amounted to \$397.3 million, only fractionally below the 1960 total of \$397.7 million.

Considered as an economic unit, the Atlantic Provinces in 1961 accounted for 3.9 per cent of Canada's \$24,243 million total selling value of factory shipments. New Brunswick, with

¹ See "Explanatory Notes" for the new definition of establishment and the principal changes resulting from its implementation.

factory shipments valued at \$397.5 million, replaced Nova Scotia which had held the lead continuously since 1952 in the selling value of factory shipments in the Atlantic Provinces. Nova Scotia, however, continued to have the largest numbers of both establishments and employees, at 1,002 and 26,801, respectively. Its factory shipments, valued at \$375.3 million, were followed by Newfoundland's \$137.2 million and Prince Edward Island's \$30.0 million. Except for Nova Scotia, these values represented new records for each province.

Pulp and paper retained its position as the leading industry in the Atlantic Provinces in 1961, accounting for shipments of \$203.9 million or 21.7 per cent of the total. Mills in New Brunswick and Newfoundland contributed \$108.5 million and \$73.7 million, respectively, in each case far surpassing the second-ranking industry, while Nova Scotia accounted for \$21.7 million. Because several leading industries in individual provinces are comprised of only one or two establishments, it is not possible to publish details on all of them. However, in addition to pulp and paper, industries in the top ten, arranged alphabetically and with values of shipments where publishable, were: bakeries, \$25.2 million; fish products, \$90.7 million; iron and steel mills; pasteurizing plants, \$24.3 million; petroleum refining, \$109.1 million; sawmills, \$34.5 million; shipbuilding and repair; slaughtering and meat packing, \$29.7 million; and sugar refineries. These ten leading industries accounted for combined shipments of \$620.9 million or two thirds of the total of all industries.

Six of the top ten industries reflect the dominance in the Atlantic Provinces of manufacturing based on the processing of indigenous natural resources: pulp and paper and sawmills on products of the forests; fish products, of the sea; slaughtering and meat packing and pasteurizing plants, of the farms; and iron and steel mills, of the coal mines in Nova Scotia and iron mines in Newfoundland. Others, such as petroleum refineries and a sugar refinery, all located at sea ports, are examples of highly developed technological processes using raw materials imported in bulk by ship and producing goods for a relatively self-contained market. Also directly related to the maritime location of the region is the importance of the shipbuilding and repair industry.

The next ten leading industries were dominated by manufacturers of food, feed and beverages: breweries, \$17.1 million; butter and cheese plants, \$19.4 million; feed manufacturers, \$14.9 million; fruit and vegetable canners and preservers, \$10.2 million; miscellaneous food manufacturers; and soft drink manufacturers, \$13.3 million. The remaining four of the top twenty industries were miscellaneous metal fabricating, \$9.9 million; printing and publishing; railroad rolling stock; and sash and door and planing mills, \$15.8 million. Combined shipments of the twenty leading industries amounted to \$774.6 million or 82 per cent of the total.

In Newfoundland, the selling value of factory shipments in 1961 reached a record \$137.2 million, up 8.1 per cent over the 1960 total of \$127.0 million. Total employment increased from 9,318 to 9,896 although the number of reporting establishments dropped from 396 to 338. As already indicated, pulp and paper was the leading industry, accounting for \$73.7 million or 53.7 per cent of the total value of factory shipments. Other important industries, with values of factory shipments, included the fish products industries, \$20.9 million; breweries, \$5.2 million; soft drink manufacturers, \$3.6 million; bakeries, \$3.5 million; printing and publishing, \$2.0 million; sawmills, \$1.8 million; and sash and door and planing mills, \$1.7 million. Among the industries making substantial contributions to total output, but for which data cannot be published because of the small number of establishments in each, were cement manufacturers, gypsum products manufacturers, ice cream manufacturers, miscellaneous food manufacturers, paint and varnish manufacturers, railroad rolling stock industry, ready-mix concrete manufacturers, and slaughtering and meat packing plants.

Reflecting Prince Edward Island's predominantly agriculture-based economy, seven of the ten leading industries in Prince Edward Island processed products either of, or for, the farm. In alphabetical order and, where publishable, with values of factory shipments, these were: butter and cheese plants, \$6.7 million; cotton and jute bag industry; feed manufacturers,

\$1.2 million; fruit and vegetable canners and processors, \$0.6 million; mixed fertilizers; pasteurizing plants, \$1.3 million; and slaughtering and meat packing plants. The other three industries in the top ten were the fish products industry, \$3.1 million; printing and publishing; and soft drink manufacturers, \$0.6 million. In total, these ten industries accounted for \$27.4 million or 91 per cent of the province's \$30.0 million of factory shipments. The total number of establishments, at 156, was two greater than in 1960, while employment rose from 1,671 to 1,724.

In contrast to increases in the other three Atlantic Provinces, the value of factory shipments in Nova Scotia declined by 3.2 per cent from \$387.9 million in 1960 to \$375.3 million in 1961. Despite this over-all drop, due in part to reduced shipments by the transportation equipment industries, increases were recorded by almost half of the industry groups: food and beverages, textiles, knitting mills, clothing, wood, furniture and fixtures, paper, printing and publishing, and metal fabricating. The number of reporting establishments, at 1,002, showed a net drop of 37, while salaries and wages, at \$88.9 million, were down from \$91.1 million in 1960. Seven of the ten leading industries for which details can be published were fish products, with \$45.8 million of factory shipments; pasteurizing plants, \$16.1 million; shipbuilding and repair, \$13.7 million; sawmills, \$11.6 million; bakeries, \$9.9 million; hosiery and other knitting mills, \$9.1 million; and printing and publishing, \$8.6 million. The other three, for which data cannot be published because of their small number of establishments, were iron and steel mills, petroleum refining and pulp and paper mills, each of which made substantial contributions to the province's industrial output. Other industries with shipments in excess of \$5 million each included sash and door and planing mills, fruit and vegetable canners and processors, miscellaneous food manufacturers, feed manufacturers and soft drink manufacturers.

In New Brunswick, new records were established for most of the principal manufacturing statistics in 1961: salaries and wages, \$73.9 million; cost at plant of materials used, \$223.1 million; value added by manufacture, \$160.0 million; and selling value of factory shipments, \$397.5 million, While not a record, employment, at 22,443, was the highest in several years. The drop in number of reporting establishments from 768 to 708 was largely confined to the food and beverage industries and wood industries.

Pulp and paper mills, with \$108.5 million of factory shipments, continued to dominate the industrial scene in the province, accounting for 27.3 per cent of the total. Others of the top ten industries for which figures can be published were fish products, \$20.9 million; sawmills, \$20.7 million; slaughtering and meat packing, \$13.2 million; miscellaneous food manufacturers, \$11.5 million; and bakeries, \$11.3 million. The remaining four industries of this group, for which data cannot be published because of their small numbers of establishments, are petroleum refining, railroad rolling stock, shipbuilding and repair, and sugar refineries. Other industries with shipments in excess of \$5 million each included butter and cheese plants, feed manufacturers, pasteurizing plants, sash and door and planing mills, and printing and publishing.

Changes in employment, salaries and wages, and selling value of factory shipments between 1957 and 1961, the most recent period for which direct comparisons can be made, indicate a slightly better performance for the Atlantic Provinces as a unit than for Canada as a whole. During this period the selling value of factory shipments was up 14.6 per cent as against 13.0 per cent for Canada; salaries and wages, up 9.9 per cent as against 9.5 per cent; and total manufacturing employment down 2.6 per cent, compared with a decrease of 5.7 per cent for Canada as a whole. In almost all of these changes, the trend in Nova Scotia ran counter to that in the other three provinces: its selling value of factory shipments was down 0.6 per cent as against increases ranging from 20.6 per cent in Newfoundland to 31.5 per cent in Prince Edward Island; its salaries and wages down 0.5 per cent, compared with increases ranging from 12.0 per cent in Newfoundland to 36 per cent in Prince Edward Island; and its employment down 12.4 cent, in contrast to increases ranging from 2.1 per cent in Newfoundland to 13.1 per cent in Prince Edward Island.

During the period there was a slight shift in the proportion of total employment provided by the non-durable and durable goods industries, with the non-durable goods sector employing 38,166 or 62.7 per cent of the total in 1961 as against 36,404 or 58.3 per cent in 1957, and the durable goods industries employing 22,698 or 37.3 per cent of the total in 1961 as against 26,086 or 41.7 per cent in 1957. The food and beverage indus-

tries, with 20,095 employees, accounted for 34.0 per cent of total manufacturing employment, more than double the secondranking employer, the paper and allied industries. Other leading employers were the transportation equipment, wood, primary metals, printing and publishing, metal fabricating, knitting mills, and textiles industries.

TABLE 52. Principal Statistics of the Leading Industries, Atlantic Provinces, 1961

Basis: Revised Industrial Classification and New Establishment Concept¹

No.	Industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
7 8 9 10 11 12 13 14	Pulp and paper mills Petroleum refining Fish products industry Sawmills (including shingle mills) Slaughtering and meat packing plants Bakeries Pasteurizing plants Butter and cheese plants Brewerles Sash and door and planing mills Feed manufacturers Soft drink manufacturers Fruit and vegetable canners and preservers Miscellaneous metal fabricating industries Fabricated structural metal industry Other leading industries ²		8, 646 693 9, 688 4, 068 882 2, 266 1, 523 559 597 1, 362 381 715 896 722 613	45, 797, 256 3, 833, 500 18, 695, 413 8, 735, 696 3, 520, 343 6, 094, 083 4, 553, 994 1, 493, 816 2, 527, 479 3, 802, 696 1, 103, 996 2, 135, 343 1, 640, 595 2, 813, 338 2, 561, 411 49, 269, 121		lars 100, 287, 596 28, 415, 811 29, 039, 201 15, 078, 287 5, 950, 658 12, 137, 444 7, 660, 120 3, 129, 716 12, 661, 991 6, 422, 214 2, 338, 519 8, 390, 261 4, 686, 536 5, 155, 591 4, 045, 235	203, 891, 366 109, 065, 609 90, 700, 382 34, 455, 672 29, 684, 455, 672 24, 254, 689 19, 436, 807 17, 075, 382 15, 809, 838 14, 870, 059 13, 267, 072 10, 186, 783 9, 895, 588 9, 867, 964
	Totals, all industries	2,204	60,864		511, 334, 141	59, 455, 056 397, 339, 062	157, 159, 217 940, 028, 843

See "Changes in Classification and Concept" at the beginning of this report.

TABLE 53. Principal Statistics of the Leading Industries, Newfoundland, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept

No.	Industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
3	Pulp and paper mills ² Fish products industry Breweries Soft driph manufacturers	num 2 31 3	3, 196 2, 978 212	19, 114, 294 5, 280, 190 827, 411	dolls 29,892,579 11,891,830 1,140,366		73, 725, 374 20, 884, 312 5, 186, 357
5 6 7 8	Bakeries Printing and publishing Sawmills (except shingle mills) Sash and door and planing mills (excluding hardwood flooring) Other leading industries	11 11 7 159 21 11	223 279 251 293 198 875	595, 798 853, 996 896, 889 521, 799 588, 942 3, 412, 694	1, 292, 998 1, 709, 924 317, 962 931, 085 1, 028, 609 7, 166, 446	2, 132, 375 1, 683, 975 1, 648, 610 826, 447 679, 250 6, 166, 744	3, 100, 337 3, 579, 547 3, 478, 042 2, 021, 446 1, 765, 780 1, 680, 108 13, 724, 760
	Totals, leading industries Totals, all industries	256 338	8, 505 9, 896	32, 092, 013 35, 969, 805	55, 371, 799 60, 628, 868	64, 459, 017 70, 009, 989	126, 045, 726 137, 224, 209

TABLE 54. Principal Statistics of the Leadings Industries, Prince Edward Island, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

No.	Industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
3 4 5 6 7	Butter and cheese plants Fish products industry Pasteurizing plants Feed manufacturers Fruit and vegetable canners and preservers Soft drink manufacturers Bakerles Other leading industries ² Totals, leading industries Totals, all industries	10 18 13 14 4 4 8 6 77	127 392 87 54 112 29 68 469 1,338 1,724	382, 583 523, 922 232, 181 136, 639 163, 751 75, 701 138, 012 1, 672, 462 3, 325, 251 4, 207, 474	5,540,248 2,337,669 828,855 951,159 370,178 198,073 232,958 9,847,084 20,306,224 21,191,058	926, 568 679, 498 389, 710 203, 683 266, 035 364, 807 193, 726 3, 816, 687 6, 840, 714 8, 131, 146	6, 650, 643 3, 121, 750 1, 274, 521 1, 180, 931 644, 714 580, 908 449, 555 13, 899, 656 27, 802, 678 30, 041, 039

Includes: Iron and steel mills, Miscellaneous food manufacturers, Printing and publishing, Railroad rolling stock, Shipbuilding and repair and Sugar refineries.

See "Changes in Classification and Concept" at beginning of this report.
 Publication of these figures was authorized by the firms concerned.
 Includes: Cement manufacturers, Gypsum products manufacturers, Ice cream manufacturers, Miscellaneous food manufacturers, paint and varnish manufacturers, Railroad rolling stock industry, Ready-mix concrete manufacturers and Slaughtering and meat packing plants.

¹ See "Changes in Classification and Concept" at the beginning of this report.
² Includes: Cotton and jute bag industry, Manufacturers of mixed fertilizers, Printing and publishing and Slaughtering and meat packing plants.
³ Includes: Cement manufacturers, Gypsum products manufacturers, Ice cream manufacturers, Miscellaneous food manufacturers, Paint and varnish manufacturers, Railroad rolling stock industry, Ready-mix concrete manufacturers and Slaughtering and meat packing plants.

TABLE 55. Principal Statistics of the Leading Industries, Nova Scotia, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

No.	Industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		nun	nber		dol	lars	
1	Fish products industry	122	3,924	8.874.323	29, 815, 617	14, 057, 557	45, 798, 555
2	Pulp and paper mills	3	1, 192	5,246,517	8, 385, 585	11,607,771	21,698,217
3	Pasteurizing plants	33	955	3,104,155	10,493.061	5,169,108	16,106,739
4	Shipbuilding and repairs	17	2,000	7,883,947	5, 766, 728	7,578,426	13,650,495
5	Sawmills (except shingle mills)	264	1.552	2, 981, 429	5, 957, 201	5, 080, 143	11, 568, 417
6	Bakeries	73	954	2, 498, 142	4,777.984	4,771,393	9, 926, 212
7	Printing and publishing	27	879	3, 813, 888	1,591,785	6,907,943	8, 598, 967
8	Hosiery and other knitting mills	7	1, 169	2,412,920	4, 905, 924	4,143,022	9, 139, 732
9	Sash and door and planing mills (excluding hardwood flooring)	43	625	1,704,781	4.901.216	2,695,623	7,689,010
10	Fruit and vegetable canners and preservers	10	562	1,004,136	3, 852, 549	2,437,148	6,111,110
11	Miscellaneous food manufacturers	10	212	626.859	3, 205, 095	2,559,454	5, 761, 638
12	Feed manufacturers	11	104	296, 296	4.645.381	928.489	5, 621, 735
13	Soft drink manufacturers	25	257	827.325	1.708.170	3,688,760	5, 538, 944
14	Butter and cheese plants	12	165	407.640	3,465,445	698, 535	4, 289, 661
15	Ice cream manufacturers	5	151	473.589	1.359.299	864, 854	2, 289, 150
16	Miscellaneous machinery and equipment manufacturers	5	271	986.235	474.405	1.565.063	2, 209, 130
17	Ready-mix concrete manufacturers	6	76	266.707	1.354.307	601, 921	2, 120, 916
	Other leading industries ³	30	8,407	36, 221, 349	94, 753, 835	65, 882, 803	163,713,070
	Totals, leading industries	703	23, 455	79, 630, 238	191, 413, 587	141,238,013	341, 649, 811
	Totals, all industries	1,002	26, 801	88, 919, 256	206, 463, 487	159, 218, 497	375, 306, 900

¹ See "Changes in Classification and Concept" at the beginning of this report.

TABLE 56. Principal Statistics of the Leading Industries, New Brunswick, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept1

_		1					
No.	Industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		nu	mber		dol	lars	1
1	Pulp and paper mills	8	4,258	21,436,455	48, 288, 125	49,454,930	108, 467, 775
2	Fish products industries	67	2,394	4,006,978	13,305,734	6,157,442	20,895,765
3	Sawmills (except shingle mills)	181	2,125	5,058,513	11,754,767	8,946,490	20,691,803
4	Slaughtering and meat packing plants	6	390	1,688,848	10, 269, 822	2,921,262	18, 176, 715
5	Miscellaneous food manufacturers	10	384	884,083	7,354,403	4,169,108	11,491,430
6	Bakeries	55	965	2,603,933	5, 442, 780	5,488,350	11,319,564
7	Butter and cheese plants	19	267	703,593	6,780,475	1,504,613	8,496,503
8	Feed manufacturers	14	213	647,760	6,595,868	1,182,478	7,883,744
9	Pasteurizing plants	28	481	1,217,658	4,534,819	2,101,302	6,873,439
10	Sash and floor and planing mills (excluding hardwood flooring)	52	492	1,361,851	3,136,647	2,841,446	6,059,138
11	Printing and publishing	19	700	2,492,473	1,128,951	4,273,495	5,480,405
12	Soft drink manufacturers	21	206	636,519	1,210,035	2, 204, 319	3,567,673
13	Miscellaneous wood industries (including wood preservation)	6	138	469, 292	1,058,043	1, 190, 241	2,327,012
14	Machine shops	17	237	836,256	839,301	1,231,696	2,150,467
15	Other leading industries ²	36	6,950	23,866,234	90, 903, 492	55, 928, 591	146, 990, 643
	Totals, leading industries	539	20, 200	67, 910, 446	212, 603, 262	149, 595, 763	375, 872, 076
	Totals, all industries	708	22, 443	73, 892, 368	223, 050, 728	159, 979, 430	397, 456, 695

Reported on a production basis.

Reported on a production basis.

Includes: Aircraft and parts manufacturers, Boiler and plate works, Breweries, Confectionery manufacturers, Communications equipment manufacturers, Corrugated box manufacturers, Cotton yarn and cloth mills, Fabricated structural metal industry, Iron and steel mills, Miscellaneous metal fabricating industries, Petroleum refining, Railroad rolling stock industry, Slaughtering and Meat packing plants and Wire and wire products manufacturers.

¹ See "Changes in Classification and Concept" at the beginning of this report.
² Includes: Biscuit manufacturers, Breweries, Broom, brush and mop industry, Cement manufacturers, Confectionery manufacturers, Corrugated box manufacturers, Cotton yarn and cloth mills, Fabricated structural metal industry, Fruit and vegetable canners and preservers, Major appliances (electric and non-electric) manufacturers, Miscellaneous metal fabricating industries, Mixed fertilizers manufacturers, Petroleum refining, Railroad rolling stock industry, Shipbuilding and repair and Sugar refineries.

SECTION C. QUEBEC

On the basis used in compiling comparable data for the 1957-61 period. Quebec's manufacturing establishments in 1961 numbered 10,955. They furnished employment to 423,729 persons, paid \$1,626,572,189 in salaries and wages, spent \$3,982,419,548 for materials used and reported factory shipments valued at \$7,327,257,662. Value added by manufacture amounted to \$3,207,856,006. These data represent 33.5, 30.2 and 30.0 per cent, respectively, of employment, shipments and value added for all of Canada and give Quebec an industrial ranking among the provinces which is second only to Ontario.

Compared with a year earlier, employment in Quebec in 1961 fell by 1.3 per cent whereas salaries and wages advanced by 1.3 per cent, cost of materials used by 5.2 per cent, value of shipments by 3.6 per cent and value added by 1.3 per cent. These changes indicate a slight loss in relative position when compared with the 1961 experience of total Canadian manufacturing which reported a loss of only .83 per cent in employment and increases of 4.1 per cent and 2.9 per cent, respectively, for value of shipments and value added by manufacture. Expressed as a percentage of Canada totals, Quebec in 1961 accounted for 33.5, 30.2 and 30.0 per cent, respectively, of employment, shipments and value added compared with 33.7, 30.4 and 30.5 per cent, respectively, in 1960.

The counter movements in employment versus salaries and wages in Quebec between 1957 and 1961 reflect the general upward trend in average earnings. Though 4.8 per cent smaller in number, the persons employed in Quebec manufacturing in 1961 received 10.8 per cent more in salaries and wages than in 1957. The 4.8 per cent drop in employment was accompanied by a 14.1 per cent increase in value of shipments. For Canada as a whole, employment in manufacturing during the same period fell by 5.7 per cent while value of shipments advanced by 13.0 per cent and volume of production by 7.1 per cent.

Several important factors are contributing to the industrial development of Quebec. To begin with, the geographic situation of the Province is extremely favourable, with an excellent large harbour 800 miles inland where seagoing vessels of heavy tonnage can dock. Other important factors include forest and mineral resources in abundance, plentiful supplies of power and extensive agricultural lands, Rapidly increasing exploitation of its vast natural resources, new hydro-electric installations, improved and extended means of transportation, etc. are all contributing to the industrialization of the north and other relatively undeveloped parts of the Province. An extensive highway system links the big industrial centres to the rural areas where regional development is being vigorously pushed.

Quebec's manufacturing complex is based firmly on a number of leading industries, many of which have been an important part of its industrial fabric for a long time, Quebec's leading industry historically is pulp and paper with an output of approximately \$621 million in 1961. The smelting and refining industry for one year only, 1960, reported a higher value of shipments but the pulp and paper mills regained their traditional top spot in the year under review. The smelting and refining industry ranked a close second. The textile and clothing industries have long played an important role in manufacturing in Quebec and continue to do so. Of especial importance are the men's and women's factory clothing industries, the cotton yarn and cloth mills and the synthetic textile mills. Of long standing importance to Quebec manufacturing and accounting for a major part of the Canadian industry in each case are the Province's tobacco products manufacturers and shoe factories. To complete the top ten, mention must be made of petroleum refining, slaughtering and meat packing plants, and aircraft and parts manufacturers.

On the basis of employment provided, the non-durable or consumer goods industries in 1961 contributed 64.8 per cent (274,479 employees) of the total manufacturing employment in Quebec, while the durable goods industries accounted for the balance of 35.2 per cent (149,250 employees). The clothing industries constituted the leading group in the non-durable sector with 56,304 employees. They were followed by foods and

beverages with 48,690, textiles 38,175, paper and allied products 35,724, printing, publishing and allied industries 20,082, chemicals and chemical products 18,742, leather products 16,397, miscellaneous manufacturing industries 13,831, knitting mills 11,066, tobacco products 6,828, rubber products 5,703 and petroleum and coal products 2,937. In the durable goods sector the industries producing transportation equipment with 30,602 employees ranked as the major group. This was followed by metal fabricating (except machinery and transportation equipment) with 26,319, electrical products industries 23,414, primary metals 19,078, wood industries 17,405, furniture and fixtures 12,704, non-metallic mineral products 12,088, and machinery industries (except electrical machinery) 7,640.

Between 1957 and 1961, there was a loss of employment in the durable goods industries of 11.1 per cent while for the industries producing non-durable goods the loss was only 0.9 per cent, making a net loss of 4.8 per cent for manufacturing as a whole. As a result of this change in the pattern of employment the non-durable goods industries increased their share of the total manufacturing employment from 62.3 per cent in 1957 to 64.8 per cent in 1961, while the durable goods declined in importance from 37.7 per cent to 35.2 per cent. Only five industrial groups in the non-durable goods sector reported an increase in employment in 1961 as compared with 1957. These were: miscellaneous manufacturing industries 7.8 per cent, printing, publishing and allied industries 3.8 per cent, knitting mills 3.6 per cent, foods and beverages 1.6 per cent and clothing industries 0.7 per cent. The remaining seven groups of this sector reported lower employment. The greatest percentage loss in employment was reported by tobacco products with a drop of 14.8 per cent. Other losses were: rubber industries 11.3 per cent, chemical and chemical products 10.9 per cent, paper and allied products 3.5 per cent, and leather products, textiles, and petroleum and coal products with losses of less than one per cent. In the durable goods sector, only two industrial groups reported greater employment in 1961 than in 1957. These were furniture and fixtures with an increase of 4.0 per cent and nonmetallic minerals with an advance of 1.7 per cent. Lower employment was reported by the remaining six groups. Of these, the machinery industries (except electrical machinery) with a loss of 21.5 per cent suffered the greatest decline. This was followed closely by the transportation equipment industries with a loss of 19.4 per cent. Significant employment losses were sustained by the remaining durable goods industries: wood industries 12.4 per cent, electrical products 12.3 per cent, metal fabricating industries 8.8 per cent and primary metal industries 7.8 per cent.

Quebec's industries are not as diversified as those of Ontario, although a number have an output approximately half or more of the total Canadian production. The manufacture of pulp and paper occupies the premier position, Fifty years ago this industry had hardly come into existence in the Province and in the mid—1920's the annual gross value of production had not yet reached \$1,000,000. In 1961 with shipments valued at \$620.7 million it accounted for 8.5 per cent of the gross value of Quebec's manufactures and for 38.0 per cent of the Canadian total for this industry. Other large industries in which Quebec predominates, with their percentage of the Canadian total, are: tobacco products 81.2 per cent, cotton yam and cloth 75.4 per cent, women's clothing 70.8 per cent, sirraft and parts 56.2 per cent, men's clothing 55.3 per cent, synthetic textiles 53.4 per cent and smelting and refining 40.2 per cent.

Quebec also predominates in a number of the medium-sized industries, i.e. industries with shipments of \$100,000,000 to \$200,000,000. In this category are: shoe factories with 55.9 per cent, knitting mills 46.8 per cent, plastics and synthetic resins 46.8 per cent, electric wire and cable 46.8 per cent, mailroad rolling stock 46.0 per cent, shipbullding and repair 44.8 per cent and soft drinks 41.6 per cent,

A large number of small industries with shipments under \$100,000,000 are also concentrated in the Province of Quebec. Candle manufacturers with 94.7 per cent of the Canadian total ranked first in this category. This was followed by men's cloth-

ing contractors with 91.3 per cent, women's clothing contractors 88.1, process cheese 87.4, thread mills 86.9, narrow fabrics 83.6, children's clothing 80.9, boot and shoe findings 80.2, textile dyeing and finishing 75.7, rubber footwear 75.0, explosives and ammunition 70.0, fabric gloves 69.7, embroidery, pleating and hemstitching 68.9, linoleum and coated fabrics 68.8, umbrellas 68.3, fur dressing and dyeing 67.0, miscellan-

eous clothing 66.0, publishing only 65.7, foundation garments 63.2, hosiery mills 62.9, fur goods 61.2, miscellaneous textiles 60.1, woodenware 59.2, buttons, buckles and fasteners 58.9, leather gloves 58.5, hardwood flooring 58.2, artificial flowers and feathers 58.2, woollen cloth 56.1, electric lamps and shades 53.9, hats and caps 52.7, miscellaneous vehicles 52.6, asbestos products 51.9 and hairgoods 50.1.

TABLE 57. Principal Statistics of the Forty Leading Industries, Quebec, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

No. No. No	-										
Pulp and paper mills	No.	Industries	lish-			of materials	added by	Selling value of factory shipments			
2 Smelting and refining			N	0.	ļ						
2 Smelting and refining						UUILEES					
Section Sect			52	26, 455	141, 282, 752	259, 268, 314	317, 192, 260	620, 710, 209			
4 Slaughtering and meat packing plants			9	11,092	61, 142, 239	412, 510, 025	159, 850, 398	591, 152, 950 ²			
Women's clothing factories			-	2, 789	17, 158, 799	290, 442, 398	78, 606, 062	370, 800, 382			
Aircraft and parts manufacturers					1		44, 929, 888	239, 064, 019			
Tobacco products manufacturers	5	Women's clothing factories	409	17, 499	49, 590, 993	110, 125, 065	87, 386, 978	196, 433, 752			
Cotton yarn and cloth mills		Aircraft and parts manufacturers	25	15, 239	80, 035, 191	93, 628, 990	102, 659, 737	195, 771, 8012			
Men's clothing factories			15	6, 606	28, 854, 770	101, 924, 386	84, 602, 122	186, 813, 260			
10 Synthetic textile mills			20	12,837	42, 317, 902	102, 369, 889	72, 530, 542	178, 555, 857			
Butter and cheese plants				14, 653	40, 385, 312	90, 980, 348	63, 688, 942	154, 395, 231			
Miscellaneous food manufacturers	10	Synthetic textile mills	38	10, 526	35, 956, 181	68, 194, 372	60, 839, 697	132, 808, 108			
12 Miscellaneous food manufacturers	11	Butter and cheese plants	405	2,460	6, 667, 815	110, 089, 373	16, 404, 482	128, 472, 433			
13 Bakerles	12	Miscellaneous food manufacturers	82	3,361	12, 237, 229	73, 496, 634		126, 694, 533			
14 Manufacturers of industrial chemicals 33 4, 184 23, 409, 593 37, 307, 207 51, 475, 260 97, 747, 80 50, 747, 80 135 51, 55 50 50 66, 847, 11 50 50 50 56, 847, 11 50 50 50 56, 847, 11 50 50 50 50 50 50 50	13	Bakeries	852	11,013	33, 254, 747		1	109, 016, 503			
Miscellaneous machinery and equipment manufacturers	14	Manufacturers of industrial chemicals	33	4, 184	23, 409, 593	37, 307, 207	51, 475, 260	97, 747, 890			
Facturers	15	Shoe factories	135	11, 852	31, 355, 684	47, 511, 982	49, 219, 500	96, 847, 177			
Pasteurizing plants	16	Miscellaneous machinery and equipment manu-									
Metal stamping, pressing and coating industry			71	6, 859	30, 109, 118	45, 820, 115	51, 141, 873	96, 267, 793			
19 Feed manufacturers				4, 196	15, 200, 220	63, 483, 803	27, 991, 525	93, 101, 873			
Communications equipment manufacturers 23 11,036 54,952,948 25,745,560 65,230,695 91,155,51						46,096,270	46, 753, 936	92, 871, 158			
Printing and publishing 87 7, 193 34, 291, 839 26, 023, 453 62, 856, 962 89, 351, 68 Railroad rolling stock industry 6 7, 650 33, 679, 202 46, 718, 293 34, 688, 540 83, 905, 88 Manufacturers of electric wire and cable 6 2, 646 13, 570, 616 45, 616, 000 31, 537, 184 76, 039, 0 Wire and wire products manufacturers 52 3, 937 18, 604, 511 45, 621, 596 28, 827, 221 76, 008, 77 Household furniture industry 510 7, 527 23, 296, 161 36, 272, 233 38, 570, 187 75, 409, 5 Manufacturers of pharmaceuticals and medicines 80 3, 346 14, 478, 437 23, 183, 328 52, 473, 696 74, 923, 818 Sawmills (except shingle mills) 907 6, 554 16, 368, 353 37, 929, 990 28, 817, 996 68, 987, 31 Sawmills (except shingle mills) 907 6, 554 16, 368, 353 37, 929, 990 28, 817, 996 68, 987, 31 Sash and door and planing mills (excluding hardwood flooring) 595 5, 110 15, 198, 880 37, 229, 700 26, 379, 744 64, 573, 01 Printing and bookbinding 561 6, 682 25, 251, 077 22, 097, 205 40, 579, 751 63, 057, 563 Shipuliding and repairs 10 6, 168 27, 478, 461 20, 334, 150 40, 211, 200 61, 262, 94 Shipuliding and repairs 10 6, 168 27, 478, 461 20, 334, 150 40, 211, 200 61, 262, 94 Shipuliding and repairs 10 6, 168 27, 478, 461 20, 334, 150 40, 211, 200 61, 262, 94 Shipuliding and repairs 10 6, 168 27, 478, 461 20, 334, 150 40, 211, 200 61, 262, 94 Shipuliding and repairs 10 6, 168 27, 478, 461 20, 334, 150 40, 211, 200 61, 262, 94 Shipuliding and repairs 108 2, 852 7, 503, 224 32, 707, 704 21, 148, 513 53, 707, 57 Fruit and vegetable canners and preservers 108 2, 852 7, 503, 224 32, 707, 704 21, 148, 513 53, 707, 57 Fruit and vegetable canners and preservers 108 2, 852 7, 503, 224 32, 707, 704 21, 148, 513 53, 707, 57 Fruit and vegetable canners and preservers 108 2, 852 7, 503, 224 32, 707, 704 21, 148, 513 53, 707, 57 Fruit and vegetable canners and preservers 108 2, 852 7, 503, 224 32, 707, 704 21, 148, 513 53, 707, 57 Fruit and vegetable canners and preservers 108 2, 258 10, 604, 130 18, 504, 043 33, 663, 487 52, 157, 07 Manufacturers of plastics and synthetic			1			75, 612, 617	15, 672, 046	92, 571, 660			
Railroad rolling stock industry 6 7,650 33,679,202 46,718,293 34,688,540 83,905,80 Manufacturers of electric wire and cable 6 2,646 13,570,616 45,516,000 31,537,184 76,039,00 Wire and wire products manufacturers 52 3,937 18,604,511 45,621,596 28,827,221 76,008,70 75,049,55 10 7,527 23,296,161 36,272,233 38,570,187 75,449,5 10	20	Communications equipment manufacturers	23	11,036	54, 952, 948	25, 745, 560	65, 230, 695	91, 155, 596			
23 Manufacturers of electric wire and cable 6 2,646 13,570,616 45,516,000 31,537,184 76,039,0 24 Wire and wire products manufacturers 52 3,937 18,604,511 45,621,596 28,827,221 76,008,7 25 Household furniture industry 510 7,527 23,296,161 36,272,233 38,570,187 75,449,5 26 Manufacturers of pharmaceuticals and medicins 80 3,346 14,478,437 23,183,328 52,473,696 74,923,83 27 Soft drink manufacturers 171 2,780 10,579,651 20,287,848 49,181,587 70,985,03 28 Sawmills (except shingle mills) 907 6,554 16,368,353 37,929,990 28,817,996 68,987,33 30 Sash and door and planing mills (excluding hardwood flooring) 595 5,110 15,198,880 37,229,700 26,379,744 64,573,01 31 Printing and bookbinding 561 6,682 25,251,077 22,097,205 40,579,751 63,057,50 32 Fabricated structural metal industry 19 4,378 22,317,703 34,763,822 27,2	21	Printing and publishing	87	7, 193	34, 291, 839	26, 023, 453	62, 856, 962	89, 351, 662			
24 Wire and wire products manufacturers 52 3,937 18,604,511 45,621,596 28,827,221 76,008,70 25 Household furniture industry 510 7,527 23,296,161 36,272,233 38,570,187 75,449,5 26 Manufacturers of pharmaceuticals and medicines 80 3,346 14,478,437 23,183,328 52,473,696 74,923,8 27 Soft drink manufacturers 171 2,780 10,579,651 20,287,848 49,181,587 70,895,03 28 Sawmills (except shingle mills) 907 6,554 16,368,353 37,929,990 28,817,996 68,987,31 30 Sash and door and planing mills (excluding hardwood flooring) 595 5,110 15,198,880 37,229,700 26,379,744 64,573,01 31 Printing and bookbinding 561 6,682 25,251,077 22,097,205 40,579,751 63,057,51 32 Fabricated structural metal industry 19 4,378 22,317,703 34,763,822 27,254,553 62,621,03 33 Breweries <td< td=""><td>22</td><td>Railroad rolling stock industry</td><td>6</td><td>7,650</td><td>33, 679, 202</td><td>46, 718, 293</td><td>34, 688, 540</td><td>83, 905, 8292</td></td<>	22	Railroad rolling stock industry	6	7,650	33, 679, 202	46, 718, 293	34, 688, 540	83, 905, 8292			
Household furniture industry 510 7,527 23,296,161 36,272,233 38,570,187 75,449,5 Manufacturers of pharmaceuticals and medicines 80 3,346 14,478,437 23,183,328 52,473,696 74,923,87 Soft drink manufacturers 997 6,554 16,368,353 37,929,990 28,817,996 68,987,33 Sawmills (except shingle mills) 997 6,554 16,368,353 37,929,990 28,817,996 68,987,33 Manufacturers 992 5,911 15,992,603 40,592,098 26,330,791 67,231,87 Sash and door and planing mills (excluding hardwood flooring) 595 5,110 15,198,880 37,229,700 26,379,744 64,573,01 Printing and bookbinding 595 5,110 15,198,880 37,229,700 26,379,744 64,573,01 Printing and bookbinding 595 5,110 15,198,880 37,229,700 26,379,744 64,573,01 Printing and bookbinding 595 5,110 15,198,880 37,229,700 26,379,744 64,573,01 Printing and bookbinding 595 5,110 15,198,880 37,229,700 26,379,744 64,573,01 Printing and bookbinding 595 5,110 15,198,880 37,229,700 26,379,744 64,573,01 Printing and bookbinding 595 5,110 15,198,880 37,229,700 26,379,744 64,573,01 Printing and repairs 10 6,168 27,478,461 20,334,150 40,211,200 61,262,91 Shipbuilding and repairs 10 6,168 27,478,461 20,334,150 40,211,200 61,262,91 Children's clothing industry 136 6,221 14,536,763 35,518,864 12,859,080 59,258,64 Distilleries 6 1,588 7,912,190 15,470,223 41,612,630 57,650,77 Fruit and vegetable canners and preservers 108 2,852 7,503,224 32,707,704 21,148,513 53,077,50 Publishing only 175 2,258 10,604,130 18,504,043 33,663,487 52,157,07 Publishing only 175 2,258 10,604,130 18,504,043 33,663,487 52,157,07 Total, leading industries 6,704 273,260 1,095,845,753 2;920,997,794 2,180,545,660 5,213,673,480	-			2, 646	13, 570, 616	45, 516, 000	31, 537, 184	76, 039, 018			
26 Manufacturers of pharmaceuticals and medicines 80 3,346 14,478,437 23,183,328 52,473,696 74,923,83 27 Soft drink manufacturers 171 2,780 10,579,651 20,287,848 49,181,587 70,895,03 28 Sawmills (except shingle mills) 907 6,554 16,368,353 37,929,990 28,817,996 68,987,31 39 Knitting mills (other than hosiery)* 92 5,911 15,992,603 40,592,098 26,330,791 67,231,83 31 Printing and bookbinding 561 6,682 25,251,077 22,097,205 40,579,751 63,057,51 32 Fabricated structural metal industry 19 4,378 22,317,703 34,788,822 27,254,553 62,621,03 34 Shipbuilding and repairs 10 6,168 27,478,461 20,334,150 40,211,200 61,282,94 35 Children's clothing industry 136 6,221 14,536,763 35,518,864 12,859,080 59,258,64 36 Distilleries 6 1,588 7,912,190 15,470,223 41,612,630 57,650,7 <t< td=""><td></td><td></td><td></td><td>•</td><td>18, 604, 511</td><td>45, 621, 596</td><td>28, 827, 221</td><td>76, 008, 749</td></t<>				•	18, 604, 511	45, 621, 596	28, 827, 221	76, 008, 749			
Cines	25	Household furniture industry	510	7, 527	23, 296, 161	36, 272, 233	38, 570, 187	75, 449, 520			
27 Soft drink manufacturers	26										
28 Sawmills (except shingle mills) 907 6,554 16,368,353 37,929,990 28,817,996 68,987,31 29 Knitting mills (other than hosiery) 2 5,911 15,992,603 40,592,098 26,330,791 67,231,81 30 Sash and door and planing mills (excluding hardwood flooring) 595 5,110 15,198,880 37,229,700 26,379,744 64,573,00 31 Printing and bookbinding 561 6,682 25,251,077 22,097,205 40,579,751 63,057,51 32 Fabricated structural metal industry 19 4,378 22,317,703 34,763,822 27,254,553 62,621,01 33 Breweries 5 2,329 12,902,259 15,537,836 44,523,577 61,589,90 35 Children's clothing industry 136 6,221 14,536,763 35,518,864 12,859,080 59,258,60 36 Distilleries 6 1,588 7,912,190 15,470,223 41,612,630 57,650,71 37 Fruit and vegetable canners and preservers 108 2,852 7,503,224 32,707,704 21,148,513 53,077,50 38 Copper and alloy rolling, casting and extruding 175 2,258 10,604,130 18,504,043 33,663,487 52,115,07 40 Manufacturers of plastics and synthetic resins 8 1,714 9,737,933 25,021,879 25,376,170 51,667,33	05							74, 923, 823			
29 Knitting mills (other than hosiery) *							1				
30 Sash and door and planing mills (excluding hardwood flooring) 595 5, 110 15, 198, 880 37, 229, 700 26, 379, 744 64, 573, 01 31 Printing and bookbinding 561 6, 682 25, 251, 077 22, 097, 205 40, 579, 751 63, 057, 51 2 Fabricated structural metal industry 19 4, 378 22, 317, 703 34, 763, 822 27, 254, 553 62, 621, 07 33 Brewries 5 2, 329 12, 902, 259 15, 537, 836 44, 523, 577 61, 588, 94 4 Shipbuilding and repairs 10 6, 168 27, 478, 461 20, 334, 150 40, 211, 200 61, 262, 94 35 Children's clothing industry 136 6, 221 14, 536, 763 35, 518, 864 12, 859, 980 59, 258, 64 36 Distilleries 6 1, 588 7, 912, 190 15, 470, 223 41, 612, 630 57, 650, 7 37 Fruit and vegetable canners and preservers 108 2, 852 7, 503, 224 32, 707, 704 21, 148, 513 53, 077, 50 38 Copper and alloy rolling, casting and extruding 22 1, 066 4, 789, 799 42,											
hardwood flooring)			94	0, 311	15, 992, 003	40, 592, 098	26, 330, 791	67, 231, 873			
31 Printing and bookbinding 561 6, 682 25, 251, 077 22, 097, 205 40, 579, 751 63, 057, 56 32 Fabricated structural metal industry 19 4, 378 22, 317, 703 34, 763, 822 27, 254, 553 62, 621, 03 33 Breweries 5 2, 329 12, 902, 259 15, 537, 836 44, 523, 577 61, 589, 98 35 Children's clothing industry 136 6, 221 14, 536, 763 35, 518, 864 12, 859, 080 59, 258, 66 36 Distilleries 6 1, 588 7, 912, 190 15, 470, 223 41, 612, 630 57, 650, 77 37 Fruit and vegetable canners and preservers 108 2, 852 7, 503, 224 32, 707, 704 21, 148, 513 53, 077, 51 38 Copper and alloy rolling, casting and extruding 22 1, 066 4, 789, 799 42, 927, 134 10, 016, 443 52, 712, 59 39 Publishing only 175 2, 258 10, 604, 130 18, 504, 043 33, 663, 487 52, 157, 0° 40 Manufacturers of plastics and s	50		595	5, 110	15, 198, 880	37, 229, 700	26, 379, 744	64, 573, 060			
33 Breweries 5 2, 329 12, 902, 259 15, 537, 836 44, 523, 577 61, 589, 94 34 Shipbuilding and repairs 10 6, 168 27, 478, 461 20, 334, 150 40, 211, 200 61, 262, 96 35 Children's clothing industry 136 6, 221 14, 536, 763 35, 518, 864 12, 859, 980 59, 258, 64 36 Distilleries 6 1, 588 7, 912, 190 15, 470, 223 41, 612, 630 57, 650, 73 37 Fruit and vegetable canners and preservers 108 2, 852 7, 503, 224 32, 707, 704 21, 148, 513 53, 077, 50 38 Copper and alloy rolling, casting and extruding 22 1, 066 4, 789, 799 42, 927, 134 10, 016, 443 52, 712, 51 39 Publishing only 175 2, 258 10, 604, 130 18, 504, 043 33, 663, 487 52, 157, 07 40 Manufacturers of plastics and synthetic resins 8 1, 714 9, 737, 933 25, 021, 879 25, 376, 170 51, 867, 334 Total, leading industries 6, 704 273, 260 1, 095, 845, 753 2; 920, 997, 794 2, 180, 545, 660 5, 213, 673, 48	31	Printing and bookbinding	561	6, 682	25, 251, 077	22, 097, 205	40, 579, 751	63, 057, 584			
34 Shipbuilding and repairs 10 6, 168 27, 478, 461 20, 334, 150 40, 211, 200 61, 282, 94 35 Children's clothing industry 136 6, 221 14, 536, 763 35, 518, 864 12, 859, 080 59, 258, 64 36 Distilleries 6 1, 588 7, 912, 190 15, 470, 223 41, 612, 630 57, 650, 77 37 Fruit and vegetable canners and preservers 108 2, 852 7, 503, 224 32, 707, 704 21, 148, 513 53, 077, 50 38 Copper and alloy rolling, casting and extruding 22 1, 066 4, 789, 799 42, 927, 134 10, 016, 443 52, 712, 50 39 Publishing only 175 2, 258 10, 604, 130 18, 504, 043 33, 663, 487 52, 157, 0° 40 Manufacturers of plastics and synthetic resins 8 1, 714 9, 737, 933 25, 021, 879 25, 376, 170 51, 667, 34 Total, leading industries 6, 704 273, 260 1, 095, 845, 753 2; 920, 997, 794 2, 180, 545, 660 5, 213, 673, 48	32	Fabricated structural metal industry	19	4,378	22, 317, 703	34, 763, 822	27, 254, 553	62, 621, 0372			
35 Children's clothing industry 136 6, 221 14, 536, 763 35, 518, 864 12, 859, 080 59, 258, 66 36 Distilleries 6 1, 588 7, 912, 190 15, 470, 223 41, 612, 630 57, 650, 77 37 Fruit and vegetable canners and preservers 108 2, 852 7, 503, 224 32, 707, 704 21, 148, 513 53, 077, 50 38 Copper and alloy rolling, casting and extruding 22 1, 066 4, 789, 799 42, 927, 134 10, 016, 443 52, 712, 50 39 Publishing only 175 2, 258 10, 604, 130 18, 504, 043 33, 663, 487 52, 157, 0° 40 Manufacturers of plastics and synthetic resins 8 1, 714 9, 737, 933 25, 021, 879 25, 376, 170 51, 667, 33 Total, leading industries 6, 704 273, 260 1, 095, 845, 753 2; 920, 997, 794 2, 180, 545, 660 5, 213, 673, 49						15, 537, 836	44, 523, 577	61, 589, 966			
36 Distilleries							40, 211, 200	61, 262, 965			
37 Fruit and vegetable canners and preservers 108 2,852 7,503,224 32,707,704 21,148,513 53,077,50 38 Copper and alloy rolling, casting and extruding 22 1,066 4,789,799 42,927,134 10,016,443 52,712,50 39 Publishing only 175 2,258 10,604,130 18,504,043 33,663,487 52,157,00 40 Manufacturers of plastics and synthetic resins 8 1,714 9,737,933 25,021,879 25,376,170 51,667,33 Total, leading industries 6,704 273,260 1,095,845,753 2;920,997,794 2,180,545,660 5,213,673,44	35	Children's clothing industry	136	6, 221	14, 536, 763	35, 518, 864	12, 859, 080	59, 258, 645			
37 Fruit and vegetable canners and preservers 108 2,852 7,503,224 32,707,704 21,148,513 53,077,50 38 Copper and alloy rolling, casting and extruding 22 1,066 4,789,799 42,927,134 10,016,443 52,712,50 39 Publishing only 175 2,258 10,604,130 18,504,043 33,663,487 52,157,00 40 Manufacturers of plastics and synthetic resins 8 1,714 9,737,933 25,021,879 25,376,170 51,667,33 Total, leading industries 6,704 273,260 1,095,845,753 2;920,997,794 2,180,545,660 5,213,673,48	36	Distilleries	6	1, 588	7, 912, 190	15, 470, 223	41, 612, 630	57, 650, 715			
1 fing 22 1,066 4,789,799 42,927,134 10,016,443 52,712,50 10,604,130 18,504,043 33,663,487 52,157,07 10,604 10,604,130 18,504,043 33,663,487 52,157,07 10,604,130 18,504,043 10,016,443 10,	37	Fruit and vegetable canners and preservers	108	2, 852	7, 503, 224	32, 707, 704	21, 148, 513	53,077,501			
39 Publishing only	38		00	1 000	4 500 500	40 000 40	10.010.11				
40 Manufacturers of plastics and synthetic resins 8 1,714 9,737,933 25,021,879 25,376,170 51,667,33 Total, leading industries	20							52, 712, 550			
Total, leading industries											
	20	manufacturers of plastics and synthetic resins	0	1, 114	5, 151, 955	20, 021, 879	25, 376, 170	51,667,339			
Total, all industries 10, 955 423, 729 1, 626, 572, 189 3, 982, 419, 548 3, 207, 856, 006 7, 327, 257, 66		Total, leading industries	6, 704	273, 260	1, 095, 845, 753	2; 920, 997, 794	2, 180, 545, 660	5, 213, 673, 486			
		Total, all industries	10, 955	423, 729	1, 626, 572, 189	3, 982, 419, 548	3, 207, 856, 006	7, 327, 257, 662			

¹ See "Changes in Classification and Concept" at the beginning of this report

² Reported on a production basis.

SECTION D. ONTARIO

On the basis used in compiling comparable manufacturing data for the 1957-61 period, Ontario's manufacturing establishments in 1961 numbered 12,081. They furnished employment to 591,415 persons, paid \$2,597,408,249 in salaries and wages, spent \$6,337,292,819 for materials used and reported factory shipments valued at \$11,957,329,553. Value added by manufacture amounted to \$5,429,853,032. These data reflect Ontario's dominant position in Canadian manufacturing, representing as they do 46.8 per cent, 49.3 per cent and 50.8 per cent, respectively, of employment, shipments and value added for all of Canada.

Compared with the previous year, employment in Ontario in 1961 fell by .5 per cent whereas salaries and wages advanced by 1.6 per cent, cost of materials used by 5.1 per cent, value added by 4.0 per cent and value of shipments by 4.2 per cent. For Canada as a whole, employment dropped .83 per cent and value of shipments increased by 4.1 per cent compared with 1960, indicating that Ontario continued to maintain its relative position.

Ontario continues to hold its lead as Canada's most industrialized province. Its basic strength lies in manufacturing which has grown rapidly because of an abundance of raw materials, plentiful supplies of power, choice industrial sites and a close proximity to the large market areas in Canada and the United States. Most of the manufactures of the province and most of its population are located in Southern Ontario. At the same time, the manufacturing establishments which dot Eastern Ontario account for a significant part of the province's output. In this area, important contributions to provincial totals are made by manufacturers of foods and beverages, textiles, pulp and paper, chemicals and a number of other products.

The preponderance of Ontario in Canadian manufacturing and the great diversification of its manufacturing production can best be demonstrated by an analysis of the extent and variety of its participation in the domestic industries. To begin with, Ontario's manufacturers in 1961 reported more than 50 per cent of the value of factory shipments in 89 out of a total of 184 Canadian industries. Certain industries such as motor vehicles, motor vehicle parts, rubber tires and tubes, agricultural implements, leaf tobacco processing, breakfast cereals, office and store machinery, and soap and cleaning compounds are carried on practically in this province alone.

Of the 180 industries listed for Canada in 1961, 35 had shipments of over \$200,000,000, 37 had shipments of \$100,000,000 to \$200,000,000 and 108 had shipments below \$100,000,000. Ontario manufacturers accounted for more than half of the shipments of 13 of the 35 largest industries. These industries, with the percentage which the Ontario shipments of each bear to the 1961 Canada totals, are as follows: motor vehicle parts and accessories 97.6, motor vehicle manufacturers 97.5, manufacturers of electrical industrial equipment 88.1, iron and steel mills 83.8, manufacturers of major appliances (electric and non-electric) 76.2, miscellaneous metal fabricating industries 70.1, miscellaneous machinery and equipment manufacturers 66.4, fruit and vegetable canners and preservers 66.1, manufacturers of industrial chemicals 62.4, metal pressing, stamping and coating industry 60.9, communications equipment manufacturers 59.1, wire and wire products manufacturers 58.5. and printing and publishing industry 49.2.

Ontario also dominates 21 of the 37 medium-sized industries. These industries and Ontario's percentage of total shipments are as follows: rubber tires and tubes 95.5, leaf tobacco processing 93.7, soaps and cleaning compounds 90.4, agricultural implements 89.3, household radio and television receivers 69.8, instruments and related products 76.9, other chemical industries, n.e.s. 68.9, other paper converters 68.6, hardware, tools and cultery 65.1, lithographing 65.0, miscellaneous electrical products 62.7, folding and set-up boxes 61.6, other rubber industries 61.0, steel pipe and tube mills 59.3, confectionery 58.9, ornamental and architectural metal industry 58.6, distilleries 56.6, aluminum rolling, casting and extruding 56.5, paint and varnish manufacturers 53.9, pharmaceuticals and medicines 53.4 and copper and alloy rolling, casting and extruding 51.3.

In addition, Ontario dominated many of the small industries in 1961 as indicated by the following percentages of Canadian totals. In this category were: smokers' supplies 97.4, office and store machinery 94.3, breakfast cereals 90.8, models and patterns 88.3, wool yarn mills 88.2, small electrical appliances 85.5, pressed and punched felt mills 85.7, wineries 85.3, commercial refrigeration and air conditioning 85.1, leather tanneries 84.1, cordage and twine 83.2, sporting goods 83.2, typewriter supplies 82.6, glass products 82.4, clocks and watches 81.4, vegetable oil mills 80.7, abrasives 78.4, auto fabric accessories 76.5, cooperage 76.1, toys and games 76.0, and mineral wool. 75.5.

The counter movements in employment versus salaries and wages between 1951 and 1961 reflect the general upward trend in average earnings. Though 7.0 per cent smaller in number, the persons employed in Ontario manufacturing in 1961 received 7.8 per cent more in salaries and wages than in 1957, The 7.0 per cent drop in employment from 1957 to 1961 was accompanied by a 10.6 per cent increase in shipments. For Canada as a whole, employment in manufacturing during the same period fell by 5.7 per cent while the value of shipments rose by 13 per cent and the volume of production advanced 7.1 per cent.

Prominent among Ontario's industries are those engaged in the production of durable goods such as transportation equipment, primary iron and steel, machinery, electrical industrial equipment and electrical appliances. Ontario is, in fact, a major producer of durable goods and in 1961 accounted for 52.7 and 57.9 per cent, respectively, of the employment and factory shipments reported by Canada's durable goods industries. On the basis of employment provided, the durable goods industries in 1961 accounted for 50.3 per cent (297,562 employees) of the manufacturing employment in Ontario while the non-durable or consumer goods industries contributed the balance of 49.7 per cent (293,853 employees). Transportation equipment was the leading group in the durable goods sector with 57,708 employees in 1961. This was followed by metal fabricating (except machinery and transportation equipment) with 53,109, primary metal industries 53,022, electrical products 52,843, machinery (except electrical) 30,810, non-metallic mineral products 19,546, wood industries 15,309 and furniture and fixtures industries 15,215. In the non-durable sector, the industries producing foods and beverages with 77,094 employees comprised the major group. This was followed by printing, publishing and allied industries with 37,044, paper and allied industries 35,873, miscellaneous manufacturing industries 29.023, chemicals and chemical products 27,789, clothing 22,063, textiles 21,426, leather industries 13,700, rubber industries 12,768, knitting mills 8,637, petroleum and coal products 5,835 and tobacco products industries 2.601.

As mentioned earlier, manufacturing employment in Ontario declined by .5 per cent in 1961 as compared with the previous year. Producers of both durable and non-durable goods reported reduced employment. In the durable goods sector, all groups reported declines in employment with the exception of the wood industries which reported a minor increase and the electrical products industries which reported an increase of 3.7 per cent. The largest decline was 2.5 per cent reported by non-metallic mineral products, followed by 2.4 per cent for machinery (except electrical), 2.1 per cent for furniture and fixtures, and 2.0 per cent for metal fabricating (except machinery and transportation equipment). An equal number of pluses and minuses were reported for the twelve non-durable industrial groups. In the loss column were rubber industries 9.9 per cent, chemical products 2.9 per cent, paper and allied industries 1.7 per cent, foods and beverages 1.6 per cent, tobacco products and clothing with negligible losses. The other six industrial groups reported increases ranging from 5.8 per cent and 5.4 per cent, respecttively, for the leather industries and miscellaneous manufacturing industries to 1.5 per cent for the printing, publishing and allied industries.

As a major producer of durable goods, Ontario for a number of years experienced wider fluctuations in manufacturing production than provinces producing mainly non-durable or consumer goods. The downturn of 1954 was more keenly felt by Ontario manufacturers. Factory shipments in that year were 3.9 per cent lower as compared with a drop of 1.3 per cent for Canada as a whole and employment was down by 5.6 per cent in Ontario compared with 4.5 per cent in Canada. Conversely, with the improvement during the following three years Ontario in 1957 reported an increase of 29.8 per cent in factory shipments and 7.6 per cent in employment over 1954. This compared with increases of 26.4 per cent and 7.2 per cent for Canada as a whole. The recession of 1958 followed the usual pattern. In comparing employment and shipments with 1957, it is found that in employment Ontario manufacturers suffered a loss of

5.8 per cent compared with 5.1 per cent for Canada as a whole while in the case of shipments the declines were 1.9 and 0.1 per cent, respectively. The gradual improvement which occurred in the next three years was reflected in 1961 figures which showed an increase in factory shipments of 13.0 per cent over 1958 for Ontario as against 11.3 per cent for Canada, Ontario, however, suffered a decrease in employment of 1.4 per cent as against a .7 per cent decrease for Canada in the same comparison. In a one-year comparison of 1961 over 1960, the usual pattern reappears with the value of shipments for Ontario and Canada increasing by 4.2 and 4.1 per cent, respectively, and employment falling by .5 and .83 per cent, respectively.

TABLE 58. Principal Statistics of the Forty Leading Industries, Ontario, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept²

Metal stampling, pressing and coating industry 223 10, 946 50, 797, 494 127, 487, 845 99, 243, 183 228, 154, 65 Fruit and wegetable camers and preservers 149 10, 153 32, 772, 890 128, 558, 972 89, 550, 857 216, 838, 79 70, 14, 398 72, 204, 773 74, 525, 516 116, 501, 962 116, 501,	No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
2 Iron and steel mills			number			d	ollars	
2 Iron and steel mills	1	Motor vehicle manufacturers	9	20, 403	115, 397, 381	592 667 905	265 497 010	940 450 000
Selecting and refining	2	Iron and steel mills	18					
4 Pulp and paper mills 5 Slaughtering and meat packing plants 80 9,198 41,178,427 311,160,405 62,097,075 375,578,96 6 Petroleum refining Motor vehicle parts and accessories manufacturers 99 20,116 100,377,490 182,423,978 182,688,414 239,1373,55 8 Manufacturers of industrial chemicals 5 9,193 51,879,076 114,873,080 185,922,921 297,174,59 9 Miscellaneous machinery and equipment manufacturers 265 16,990 79,807,603 118,889,983 137,221,463 295,151,32 Metal stampine, pressing and coating industry 223 10,946 50,797,494 127,487,845 39,243,183 228,154,65 17 Fruit and vegetable camers and preservers 149 10,153 22,772,780 128,585,972 89,550,887 218,883,79 18 Miscellaneous food manufacturers 97 5,363 23,070,067 114,831,584 172,418,446 188,894,85 18 Fruit and vegetable camers and preservers 149 10,153 67,360,307,067 114,831,584 172,418,446 188,894,85 18 Fruit and vegetable camers and preservers 18 Miscellaneous food manufacturers 98 14,763 73,467,128 135,234,140 185,224,140 188,894,85 18 Fruit and send full manufacturers 99 2,890,931 41,211,156 109,333,973 80,003,318 185,224,140 188,894,85 18 Miscellaneous food manufacturers 18 7,197 36,810,258 38,644,542 83,864,642 80,003,18 187,221,23 83,644,452 83,644,644 83,644,644 83,644	3	Smelting and refining	_	1	1			
5 Slaughtering and meat packing plants	4	Pulp and paper mills	39				1	
6 Petroleum refining	5	Slaughtering and meat packing plants	80					
7 Motor vehicle parts and accessories manufacturers. 8 Manufacturers of industrial chemicals. 8 Manufacturers of industrial chemicals. 9 10, 116 100, 377, 490 182, 423, 978 156, 029, 157 344, 373, 55 9 Miscellaneous machinery and equipment manufacturers. 10 Miscellaneous machinery and equipment manufacturers of metal stamping, pressing and coating industry. 223 10, 946 50, 797, 494 127, 487, 845 99, 243, 183 228, 154, 65 1 Fruit and vegetable camers and preservers. 149 10, 153 22, 772, 890 128, 558, 872 89, 550, 887 1216, 638, 79 143, 884 128, 894, 88 128, 154, 65 1 Fruit and vegetable camers and preservers. 149 10, 153 23, 770, 067 114, 881, 584 128, 534 166 186, 894, 88 127, 240, 773 14, 595, 516 116, 501, 962 128, 601, 601, 601, 601, 601, 601, 601, 601	6	Petroleum refining	7				1	
Manufacturers of industrial chemicals	7	Motor vehicle parts and accessories manufacturers	99					
9 Miscellaneous machinery and equipment manufacturers contents and equipment manufacturers of electrical industrial equipment contents and preservers	8	Manufacturers of industrial chemicals	53	1				
Netal stamping, pressing and coating industry 223 10, 946 50,797,494 127,487,845 99,243,183 228,154,683,79 149,598 127,559,916 146,501,962 128,651,651 156,501,962 129,801,623 146,501,962 146,838,79 147,988 127,242,473 148,815,844 146,501,962 146,838,79 147,988 147,064 147,845 148,845,844 148,845,446 148,944,855 147,646 147,147,148 148,845,446 148,944,855 147,446 148,944,855 147,446 148,944,855 147,446 148,944,855 147,446 148,944,855 147,446 148,944,855 147,446 148,944,855 147,446 148,944,855 147,446 148,944,855 147,446 148,944,855 148,944,855 147,446 148,944,855 148,940,167 148,944,946 148,944,856 148,940,167 148,944,856 148,944,866 1	9	Miscellaneous machinery and equipment manufac-					100, 522, 521	281, 114, 390
Fruit and vegetable canners and preservers	10						137, 321, 463	259, 513, 253
2 Manufacturers of electrical Industrial equipment	-	Fruit and vocatable corners and coating industry					99, 243, 183	228, 154, 650
Miscellaneous food manufacturers 97 5, 363 2, 20,70,67 114,881,584 72,418,464 8188,894,85 Pasteurizing plants 373 9,931 41,211,156 109,333,973 64,900,167 178,221,23 178,221,23 179,257 188,251,253 179,254,252 178,252 179,25	12	Manufacturers of electrical delectrical						216, 838, 792
Printing and publishing 283 14,706 73,407,182 45,334,166 135,224,140 183,894,856 73,407,182 45,334,166 135,224,140 182,138,373 9,931 41,211,156 109,333,973 64,900,167 176,221,23 373 9,931 41,211,156 109,333,973 64,900,167 176,221,23 87,197 36,810,258 83,646,452 80,003,318 172,180,99 182 177,180,180 183,182,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183 177,180,180 183,183,183,183,183,183,183,183,183,183,	_			1			116,501,962	192,801,623
5 Pasteurizing plants Rubber tire and tube manufacturers Rubber tire and tube manufacturers Rubber tire and tube manufacturers 8 7,197 36,810,258 33,646,452 80,003,318 172,180,99 27 7,703 33,745,389 84,865,032 69,206,959 157,062,655 8 Manufacturers of soap and cleaning compounds Bakeries Rubber tire and tube manufacturers Radiacturers of soap and cleaning compounds Rubber tire and tube manufacturers Rubber tire and tube manufacturers Radiacturers of soap and cleaning compounds Rubber tire and tube manufacturers Radiacturers of soap and cleaning compounds Radiacturers of soap and cleaning compounds Rubber tire and tube manufacturers Radiacturers Rubber tire and tube manufacturers Radiacturers of soap and cleaning compounds Radiacturers of plantanticurers Radiacturers R				1		114,881,584	72,418,446	188, 894, 852
Second Communications Second Communications Second Communications Communicati		Pastonising plants		1			135,224,140	182, 138, 371
Manufacturers of major appliances (electric and non- electric) Manufacturers of soap and cleaning compounds 62 3,531 19,524,425 75,589,187 77,614,064 155,772,99 Bakeries 786 14,483 49,177,997 68,503,588 81,535,376 156,334,585 Miscellaneous metal fabricating industries 211 9,855 42,372,313 68,444,869 81,157,846 153,435,931 Communications equipment manufacturers 90 12,652 50,935,846 64,359,836 89,861,079 148,365,331 Printing and bookbinding 724 11,270 47,277,346 49,200,710 81,543,42,533 Wire and wire products manufacturers 110 7,207 34,444,204 71,662,218 55,436,011 129,156,446 Feed manufacturers 32 9,613 46,529,977 56,242,248 68,660,524 123,265,086 Aircraft and parts manufacturers 32 9,613 46,529,977 56,242,248 68,660,524 123,465,052 Brewerles 17 2,637 15,280,407 24,523,701 88,492,785 113,874,981 Dutter and cheese plants 288 2,660 8,246,214 91,070,777 14,945,314 107,964,245 Dutter and cheese plants 288 2,660 8,246,214 91,070,777 14,945,314 107,964,245 Dutter and cheese plants 288 2,660 8,246,214 91,070,777 14,945,314 107,964,245 Dutter and cheese plants 34 5,948 30,031,698 49,526,055 47,500 125,968,386 Dutter and cheese plants 34 5,948 30,031,698 49,526,055 47,500 125 97,963,185 Distilleries 92,240 10,663,887 32,085,751 64,102,569 95,831,878 Fabricated structural metal industry 34 5,948 30,031,698 49,526,055 47,500,125 97,963,185 Distilleries 60,524 123,255,037 39,596,122 51,297,999 91,173,986 Manufacturers of miscellaneous electrical products 80 5,886 23,875,650 40,944 46,621,147 99,473,483 Manufacturers of miscellaneous electrical products 80 6,867 41,733,376,620 4,845,510,084 3,756,164,835 8,448,162,256		Pubbos the and tube manufact		1			64,900,167	178, 221, 230
Selectric 27 7,703 33,745,389 84,865,032 69,206,959 157,062,658 Manufacturers of soap and cleaning compounds 62 3,531 15,524,425 75,589,187 77,614,064 155,772,99 77,018	7		8	7, 197	36,810,258	83,646,452	80,003,318	172, 180, 999
8 Manufacturers of soap and cleaning compounds 62 3,531 19,524,425 75,589,187 77,614,064 155,772,99 8 8 8 8 1,535,376 154,334,255 15		electric)	27	7,703	33,745,389	84,865,032	69, 206, 959	157, 062, 655
Search S	.8		62	3,531	19, 524, 425	1		
Miscellaneous metal fabricating industries		Bakeries	796	14,483	49, 177, 997	1		
Communications equipment manufacturers 90 12,652 50,935,846 64,359,836 89,861,079 143,365,531	0	Miscellaneous metal fabricating industries	211	9,855	42,372,313	68, 444, 869		
Printing and bookbinding		Communications equipment manufacturers	90	12,652	50, 935, 846	64,359,836		
Wire and wire products manufacturers	2	Printing and bookbinding	724	11,270	47, 279, 346	1		
448 3,219 11,319,719 97,127,859 28,702,183 127,634,865 Other paper converters 103 6,926 29,684,448 71,277,326 55,957,505 127,588,856 Aircraft and parts manufacturers 32 9,613 46,529,977 56,242,248 68,660,524 123,465,055 Agricultural implement industry 27 9,466 46,119,667 66,624,322 52,454,625 123,255,086 127,588,856 127,588,856 128,255,086 127,588,856 128,255,086 128,245,245,245,245,245,245,245,245,245,245	3	Wire and wire products manufacturers	110	7,207	34, 444, 204			
Cher paper converters 103 6,926 29,684,448 71,277,326 55,957,505 127,588,856 Aircraft and parts manufacturers 32 9,613 46,529,977 56,242,248 68,660,524 123,465,057 68,242,248 68,660,524 123,465,057 68,242,248 68,660,524 123,465,057 68,242,248 68,660,524 123,465,057 68,242,248 68,660,524 123,265,058 69 69,614,617 12,637 15,280,407 24,523,701 88,492,785 113,874,981 99,375,701 88,492,785 113,874,981 17 5,086 22,245,512 47,386,990 60,614,657 111,098,381 17 5,086 22,245,512 47,386,990 60,614,657 111,098,381 10 1,403 4,549,948 79,844,698 16,885,331 98,380,856 12 1264 tobacco processing 10 1,403 4,549,948 79,844,698 16,885,331 98,380,856 18 45,948 30,031,698 49,526,055 47,500,125 97,963,181 18 18 18 18 18 18 18 18 18 18 18 18	4	Feed manufacturers	448	3,219	11,319,719	97, 127, 859	28, 702, 183	
Agricultural implement industry 27 9,466 46,119,667 66,624,322 52,454,625 123,255,086 82,425,11 17 2,637 15,280,407 24,523,701 88,492,785 113,874,981 17 5,086 22,245,512 47,386,990 60,614,657 111,098,384 18 2,660 8,246,214 91,070,777 14,945,314 107,964,245 10 10 1,403 4,549,948 79,344,698 16,885,331 98,380,856 18 30,031,698 49,526,055 47,500,125 97,963,183 18 19,316,316 19 10 1,403 4,549,948 79,344,698 16,885,331 98,380,856 19 10 1,403 4,549,948 79,344,698 16,885,331 98,380,856 19 10 1,403 4,549,948 79,344,698 16,885,331 98,380,856 19 10 1,403 4,549,948 19,526,055 19,538 18,767,770 197,545,298 19 10 1,863,887 32,085,751 64,102,569 95,831,876 19 10 1,863,887 32,085,751 64,102,569 95,831,876 19 1,876,909 12,807,692 58,373,024 32,958,662 91,878,000 18 10 1,403 4,094 16,720,192 25,843,953 63,137,681 88,703,113 10 1,403 4,094 16,720,192 25,843,953 63,137,681 88,703,113 10 1,403 4,094 16,720,192 25,843,953 63,137,681 88,703,113 10 1,403 4,094 16,720,192 25,843,953 63,137,681 88,703,113 10 1,403 4,094 16,720,192 25,843,953 63,137,681 88,703,113 10 1,403 4,094 16,720,192 25,843,953 63,137,681 88,703,113 10 1,403 4,094 16,720,192 25,843,953 63,137,681 88,703,113 10 1,403 4,549,948	5	Other paper converters	103	6,926	29,684,448			-
Agricultural implement industry 27 9,466 46.119.667 66.624,322 52.454.625 123.255.086 82.265.15.280.407 24.523.701 88.492.785 113.874.985		Aircraft and parts manufacturers	32	9,613	46, 529, 977	56, 242, 248		1
Breweries	7	Agricultural implement industry	27	9,466	46, 119, 667			
9 Synthetic textile mills	8	Breweries	17	2,637	15, 280, 407			1
Dutter and cheese plants.	9	Synthetic textile mills	17	5,086	22, 245, 512			
10 ther chemical industries, n.e.s. 159 3,635 16,370,638 55,135,388 48,768,232 103,782,423 2 Leaf tobacco processing 10 1,403 4,549,948 79,844,698 16,885,331 98,380,858 34 5,948 30,031,698 49,526,055 47,500,125 97,963,183 40,375,770 97,645,299 41,375,770 97,645,299 42,240 10,863,887 32,085,751 64,102,569 95,831,878 43,799,454 52,370,115 94,973,493 43,799,454 52,370,115 94,973,493 44,941 16,720,192 56,373,024 32,968,662 91,878,000 46,621,147 89,872,388 48,768,232 103,782,423 103,885 16,370,184 16,50,184			288	2,660	8, 246, 214	91,070,777		
2 Leaf tobacco processing 10 1,403 4,549,948 79,844,698 16,885,331 98,380,858 Fabricated structural metal industry 34 5,948 30,031,698 49,526,055 47,500,125 97,963,183 40,000 447,633,181 49,375,770 97,545,295 97,963,183 10 10,863,887 32,085,751 64,102,569 95,831,875 10 10,863,887 32,085,751 10 10,863,887 32,085	1	Other chemical industries, n.e.s.	159	3,635	16,370,638	1		1
## Household furniture industry		Leaf tobacco processing	10	1,403	4, 549, 948	79, 844, 698		
Manufacturers of miscellaneous electrical products 80 9,345 10,863,887 32,390,054 47,633,181 49,375,770 97,545,295 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,751 64,102,569 95,831,876 10,863,887 32,085,761 10,863,887 32			34	5, 948	30,031,698	49, 526, 055		
Steel pipe and tube mills 9 2,240 10,863,887 32,085,751 64,102,569 95,831,876 18,570,115 94,973,493 18,570,115 94,973,493 18,570,115 18	4	Household furniture industry	639	9,345	32,390,054	47, 633, 181		
Instrument and related products manufacturers			9	2,240	10, 863, 887	32, 085, 751		
Steel pipe and tube mills 9 2,289 12,807,692 56,373,024 32,958,662 91,878,000			60	6,105	28, 959, 209			
3 Lithographing		Steel pipe and tube mills	9	2, 289	12,807,692			
Manufacturers of miscellaneous electrical products 80 5,886 23,875,650 42,649,004 46,621,147 89,872,388 16,720,192 25,843,953 63,137,681 88,703,113 Totals, leading industries 5,978 365,374 1,733,375,620 4,545,510,084 3,750,184,835 8,448,162,256			165	6,553	29, 275, 037			
Manufacturers of pharmaceuticals and medicines			80	5,886	23,875,650	42,649,004		89, 872, 389
Totals all fadests	0	Manufacturers of pharmaceuticals and medicines	78	4,094	16,720,192			88,703,113
Totals all Adapting		Totals, leading industries	5, 978	365, 374	1, 733, 375, 620	4, 545, 510, 084	3, 750, 154, 835	8, 448, 162, 256
		Totals, all industries	10 000	591, 501	2,597,408,249	6, 337, 292, 819	5, 429, 853, 032	11, 957, 329, 553

¹ See "Changes in Classification and Concept" at the beginning of this report,

Reported on a production basis.

SECTION E. THE PRAIRIE PROVINCES

After registering a slight decline in 1960, the selling value of factory shipments in the Prairie Provinces made a significant advance of 7.7 per cent in 1961, with the three-province total exceeding the \$2,000 million level for the first time on record. The increase in selling value of factory shipments from \$1,901 million in 1960 to \$2,048 million in 1961 occurred despite a slight net drop in the number of reporting establishments from 3,682 to 3,660 and of employees from 91,589 to 91,282. Salaries and wages paid in 1961 totalled \$363.6 million; materials used cost \$1,229 million; and value added by manufacture amounted to \$782.9 million, representing increases over 1960 of 3.1, 8.8 and 5.2 per cent, respectively.

Considered as an economic unit, the three Prairie Provinces in 1961 accounted for 8.4 per cent of Canada's \$24,243 million total value of factory shipments, occupying approximately the same relative position as British Columbia. Ontario and Quebec, with their long-established concentration of industry, continued to dominate Canadian manufacturing, accounting for 49.3 per cent and 30.2,per cent, respectively, of the 1961 value of factory shipments,

While lacking both the concentration and diversification of the much longer established industrial complexes in Central Canada, manufacturing in the Prairie Provinces has shown tremendous growth during the post-World War II period, Much of this growth has been associated with the discovery of large fields of oil and natural gas; the construction of plants and pipelines for their processing, transmission and distribution; the construction of petro-chemical complexes to utilize the products and by-products of the oil and gas industry; and the construction and expansion of steel pipe mills and other ancillary industries to service it. At the same time, those industries based on agriculture, the Prairies' traditional source of economic strength, have increased in both extent and diversification. This is particularly evident in the food-processing industries where new techniques of freezing, dehydrating and other forms of processing have brought about the expansion of existing facilities and creation of new ones.

Slaughtering and meat packing maintained its position as the leading industry in the Prairie Provinces, with 1961 shipments valued at \$375.4 million, representing 18.3 per cent of the total. Petroleum refining, with shipments of \$225.6 million or 11.0 per cent of the total, ranked second. Because several leading industries are comprised of only one or two establishments in individual provinces, it is not possible to publish details on all of them. In addition to slaughtering and meat packing and petroleum refining, the other industries in the top ten, arranged alphabetically and with values of shipments where publishable, were: bakeries, \$50.0 million; breweries, \$43.6 million; butter and cheese plants, \$62.8 million; flour mills, \$99.3 million; pasteurizing plants, \$72.3 million; printing and publishing, \$47.7 million; the railroad rolling stock industry and smelting and refining. These ten leading industry accounted for combined shipments of \$1,127.0 million or 55.0 per cent of the total for all industries.

In contrast to the leading ten industries which were dominated by those processing products of the farm, the next ten showed a much greater degree of diversification. In alphabetical order and with values of factory shipments where publishable, these were: cement manufacturers, \$26.0 million; fabricated structural metal industry; feed manufacturers, \$28.5 million; manufacturers of industrial chemicals, \$37.7 million; men's clothing factories; metal stamping, pressing and coating industry, \$28.7 million; miscellaneous food manufacturers, \$29.1 million; pulp and paper mills, \$43.4 million; sash and door and planing mills, \$33.6 million; and steel pipe and tube mills. Combined shipments of the twenty leading industries amounted to \$1,355.6 million or 66.2 per cent of the total.

Of the forty leading industries in Canada in 1961, seven had factory shipments in the Prairie Provinces accounting for 15 or more per cent of the Canadian total. Leading this group were flour mills whose value of factory shipments accounted for 45.0 per cent of the Canadian total for that industry. Other industries

 $^{\rm 1}$ See Explanatory Notes for the new definition of establishment and the principal changes resulting from its implementation.

in the group, with their proportions of the Canadian total in percentages, were slaughtering and meat packing, 34.7; butter and cheese plants, 19.4; pasteurizing plants, 17.6; and breweries, 16.8. Although the railroad rolling stock industry was also in this group, its proportion cannot be shown for the Prairie Provinces as a whole because of the confidential nature of the data for Alberta. However, Manitoba alone accounted for 19.5 per cent of the Canadian total in this industry.

Reflecting the dominance of manufacturing based on the primary industries of agriculture and petroleum, Alberta's slaughtering and meat packing plants, with shipments valued at \$196.3 million, and petroleum refining industry, at \$107.8 million, together accounted for almost one third of the total value of that province's 1961 factory shipments of \$933.8 million. Other leading industries, with values of their factory shipments, were manufacturers of industrial chemicals, \$35.1 million; pasteurizing plants, \$34.2 million; and flour mills, \$30.2 million.

In Manitoba the two leading industries occupied the same relative position as in Alberta, with slaughtering and meat packing accounting for \$124.1 million, and petroleum refining, \$48.8 million of total factory shipments of \$769,9 million. The third-ranking industry, railroad rolling stock with shipments valued at \$35.6 million, reflects the unique location of Manitoba, and especially of Winnipeg, as the natural service centre for the network of transcontinental railway facilities converging there. The other three leading industries, with values of their factory shipments were clothing factories, \$24.5 million; flour mills, \$22.8 million; and pasteurizing plants, \$21.1 million.

In Saskatchewan, slaughtering and meat packing plants and petroleum refining also dominated the industrial scene in 1961, but in reverse order to that in both Alberta and Manitoba. Petroleum refining, with shipments valued at \$69.0 million, continued the role of leading industry assumed in 1950, followed by slaughering and meat packing plants with \$55.1 million. Together, these accounted for about 36 per cent of the total output of \$344.4 million. Other leading industries were flour mills with \$46.3 million; butter and cheese plants with \$20.3 million; and pasteurizing plants with \$16.9 million of factory shipments.

As already indicated, the total number of reporting establishments in the Prairie Provinces, based on the New Establishment Concept introduced in 1961 and applied also to the 1957-60 period, dropped from 3,682 in 1960 to 3,660 in 1961. The net loss of 22 establishments comprised losses of 17 and 7 in Alberta and Saskatchewan, respectively, and a gain of two establishments in Manitoba, Employment dropped by 307, with all provinces sharing in the decline—Manitoba with 76; Saskatchewan, 118; and Alberta, 113. Salaries and wages, on the other hand, increased in all three provinces, reflecting higher average earnings. In Alberta, total salaries and wages were \$157,348,000, up 2.7 per cent over 1960; in Manitoba, \$157,302,000, up 3.9 per cent; and in Saskatchewan, \$48,948,000, up 1.8 per cent.

The movement of employment and wages in opposite directions between 1960 and 1961 also applies to the 1957-61 period. During those five years, total employment in the Prairie Provinces' manufacturing industries dropped 1.6 per cent, compared with a drop of 5.7 per cent for Canada as a whole, while total salaries and wages increased 16.6 per cent, compared with 9.5 per cent for Canada as a whole. This relatively superior performance for the Prairie Provinces is even more strikingly indicated by the value of factory shipments which were up 23.6 per cent in the Prairies during the 1957-61 period, compared with 13.0 per cent for Canada as a whole.

On the basis of employment provided, the non-durable goods industries in the Prairie Provinces accounted for 54,585 employees or 59.8 per cent of the total of 91,282 in 1961, with the durable goods industries employing 36,697 or 40.2 per cent. Foods and beverages, with 26,916 employees, provided almost half of the employment in the non-durable goods industries. Other leading employers in this sector were the printing, publishing and allied industries, with 7,990 employees; petroleum and coal products, 3,167; and chemicals and chemical products, 2,561. In the durable goods industries, the leading employer was the transportation equipment group, with 8,179 employees, fol-

lowed by metal fabricating (except machinery and transportation equipment), 7,605; wood industries, 5,308; and non-metallic mineral products, 5,287.

The relatively small decrease in total employment in the non-durable goods industries from 54,684 in 1957 to 54,585 in 1961 obscures some fairly marked changes in various industrial groups. The largest change in absolute terms occurred in the petroleum and coal products group where employment dropped from 4,247 in 1957 to 3,167 in 1961, with all three provinces sharing in the decrease. Other groups registering declines in employment were leather, textiles, paper and allied industries, and chemicals and chemical products. The largest increase in employment, 71 per cent, occurred in the miscellaneous manufacturing industries which, with 1,997 employees, had 830 more than in 1957. Other groups providing increased employment during the period were foods and beverages, knitting mills, clothing, and printing, publishing and allied industries.

In the durable goods industries, employment dropped 3.5 per cent from 38,039 in 1957 to 36,697 in 1961, The largest decrease, 2,547 employees, occurred in the transportation equipment group while the wood industries registered a decrease of 1,115 employees, and the electrical products group, 296. All other groups in the durable goods industries showed increases, with the greatest gain, 1,296 in primary metals, reflecting in large part the coming into operation in 1961 of new nickelcopper smelting facilities in Manitoba.

TABLE 59. Principal Statistics of the Leading Industries, Prairie Provinces, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

No.	Industry	Estab- lish- ment	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Slaughtering and meat packing plants Petroleum refining Plour mills Pasteurizing plants Butter and cheese plants Bakeries Printing and publishing Breweries Pulp and paper mills Industrial chemical manufacturers Sash and door and planing mills Miscellaneous food manufacturers Metal stamping, pressing and coating industry Feed manufacturers Cement manufacturers Other leading industries Totals, leading industries		hber 8,051 3,021 1,915 3,986 1,655 4,745 4,453 1,501 1,217 1,248 754 1,734 622 725 13,284 51,419	37, 614, 486 17, 635, 813 7, 472, 221 14, 506, 738 4, 935, 926 16, 888, 691 17, 682, 991 16, 088, 691 6, 529, 666 8, 416, 710 7, 237, 587 2, 365, 414 3, 864, 519 2, 395, 414 3, 864, 519		manuracture lars 59, 369, 147 61, 279, 578 21, 708, 528 22, 534, 693 9, 032, 894 28, 074, 355 34, 558, 227 33, 565, 446 23, 767, 132 23, 185, 626 13, 862, 828 13, 093, 595 28, 495, 074 20, 182, 719 111, 204, 438 513, 069, 767	375, 378, 043 225, 639, 360 99, 267, 141 72, 301, 661 62, 791, 574 49, 988, 181 47, 745, 026 43, 562, 183 43, 360, 703 37, 734, 874 33, 572, 067 29, 142, 150 28, 681, 656 28, 495, 074 25, 973, 756 28, 681, 656 28, 495, 074 25, 973, 756 28, 638, 265
	Totals, all industries	3, 660	91, 282	363, 598, 606	1, 228, 988, 405	782, 939, 057	2, 048, 153, 318

¹ See "Changes in Classification and in Concept" at the beginning of this report.

² Includes: Fabricated structural metal industry, Men's clothing factories, Railroad rolling stock industry, Smelting and refining and Steel pipe and tube mills.

TABLE 30. Principal Statistics of the Leading Industries, Manitoba, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept¹

		Estab-	Em-	Salaries	Cost at plant	Value	Selling value		
No.	Industry	lish- ments	ployees	and wages	of materials used	added by manufacture	of factory shipments		
		number			shipments				
1 2	Slaughtering and meat packing plants Petroleum refining	12	2, 783 491	13, 217, 218 2, 672, 420	105, 991, 968	17, 682, 160	124, 053, 295		
. 3	Railroad rolling stock industry	5	3,374	14, 577, 674	35,530,577 17,493,017	13, 311, 676 17, 291, 801	48, 810, 115 35, 634, 478 ²		
5	Men's clothing factories Flour mills	51 5	2, 920 443	6,970,171 1,698,328	14,635,000 18,892,570	9, 985, 196 3, 659, 089	24, 488, 015 22, 775, 781		
6	Pasteurizing plants	16	1,013	4,069,475	14, 254, 819	6, 458, 993	21, 112, 294		
8	Miscellaneous food manufacturers	20 69	530 1,772	2,053,639 6,904,752	13, 311, 827	6,012,602 13,132,434	19, 904, 479 18, 125, 553		
9 10	Butter and cheese plants	55 151	502 1,694	1, 487, 284	14, 709, 652	2, 966, 659	17, 929, 110		
11	Bakeries	23	1,603	5, 930, 683 4, 726, 685	7, 292, 698 8, 757, 500	9,649,545 6,792,847	17, 487, 098 15, 606, 156		
12	Printing and bookbinding Breweries	87	1,481	6, 125, 282 2, 984, 053	5,001,282 3,165,854	10, 103, 886	15, 173, 416 15, 123, 299		
14	Metal stamping, pressing and coating industry	23	992	4, 155, 517	6, 614, 535	6,813,532	13, 322, 275		
15 16	Household furniture industry Feed manufacturers	97 36	1,070 243	3,740,299 905,007	6, 422, 933 9, 070, 106	5, 767, 322 2, 742, 480	12, 287, 688 11, 963, 294		
17 18	Other furniture industries Miscellaneous metal fabricating industry	20 12	737 507	2, 469, 746	4, 833, 533	3, 855, 840	8, 783, 906		
19	Agricultural implement industry	15	528	2, 338, 300 1, 759, 935	4, 274, 012 5, 084, 425	4, 326, 777 3, 732, 022	8, 727, 966 8, 543, 888		
20 21	Fabricated structural metal industry Soft drink manufacturers	5 19	765 359	3, 731, 076 1, 359, 538	3, 919, 995 2, 790, 499	4, 054, 891	8, 148, 789 ² 7, 953, 399		
22	Paint and varnish manufacturers	6	312	1, 112, 557	4,017,620	3, 595, 178	7, 562, 644		
23	Fruit and vegetable canners and preservers Miscellaneous machinery and equipment manufacturers	10 13	313 471	1, 032, 819 2, 098, 787	4, 198, 363 2, 387, 328	1,875,213 3,512,318	6, 124, 943 5, 857, 609		
25 26	Sash and door and planing mills Concrete products manufacturers	33 17	626 472	2, 118, 789	2, 548, 466	3, 229, 571	5, 844, 594		
27	Fur goods industry	35	436	1,718,912 1,410,926	2,504,205 3,037,457	2,601,427 2,032,020	5, 435, 442 5, 026, 533		
	Other leading industries'	29	4,963	22, 361, 044	50, 659, 564	69, 565, 880	128, 671, 677		
	Totals, leading industries	873	32, 023		376, 243, 041	251, 537, 599	640, 477, 736		
	Totals, all industries	1,416	41, 212	157, 302, 360	441, 440, 322	315, 235, 281	769, 894, 639		

See "Changes in Classification and in Concept" at the beginning of this report.

Reported on production basis.

Reported on production basis.

Includes: Aircraft and par: manufacturers, Biscuit manufacturers, Cement manufacturers, Corrugated box manufacturers, Cotton and jute bag industry, Iron and steel mills, Other paper converters, Pulp and paper mills, Smelting and refining and Sugar refineries.

TABLE 61. Principal Statistics of the Leading Industries, Saskatchewan, 1961

Basis: Revised Standard Industrial Classification and New Establishment Concept1

No.	Industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
1 2 3 4 5 6 7 8 9 10 11 12 13	Petroleum refining Slaughtering and meat packing plants Flour mills Butter and cheese plants Pasteurizing plants Bakeries Breweries Printing and publishing Sash and door and planing mills (excluding hardwood flooring). Soft drink manufacturers Metal stamping, pressing and coating industry Fabricated structural metal industry Ready-mix concrete manufacturers Feed manufacturers Feed manufacturers		938 1,428 851 563 934 1,068 362 1,171 385 272 270 225 82 68	wages 5,540,028 6,456,160 3,423,947 1,769,900 3,459,044 3,574,581 1,791,214 4,341,807 1,367,431 942,097 1,112,598 961,727 380,237 248,259		manufacture lars 18, 137, 709 10, 345, 587 11, 863, 509 3, 265, 440 6, 178, 453 6, 968, 640, 245, 235 7, 569, 246 2, 215, 255 3, 583, 855 1, 835, 649 1, 348, 627 836, 679 715, 772	68, 993, 227 55, 061, 309 46, 286, 316 20, 280, 920 16, 948, 434 11, 630, 040 10, 996, 310 10, 154, 415 6, 547, 077 5, 892, 223 4, 879, 889 3, 606, 914 ² 2, 942, 504 2, 535, 428
	Other leading industries Totals, leading industries Totals, all industries	3 356 675	869 9, 486 12, 149	4, 383, 074 39, 752, 104 48, 947, 762	19, 284, 505 200, 805, 834 218, 815, 222	21, 180, 560 104, 220, 216 120, 971, 938	41, 924, 037 308, 679, 043 344, 432, 203

¹ See "Changes in Classification and in Concept" at the beginning of this report.

TABLE 62. Principal Statistics of the Leading Industries, Alberta, 1961

No.	Industry	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
		nun	iber		dol	lars	
2 Period 3 Manufa 4 Pasteu 5 Flour r 6 Butter 7 Sash a 8 Baker! 9 Printin 10 Manufa 11 Fabric 13 Feed n 14 Cemen 15 Ready-16 Concre 17 Machin 18 Metal s 19 Men's 20 Miscell 21 Glass of the 1 Tota	ntering and meat packing plants eum refining acturers of industrial chemicals urizing plants mills and cheese plants and door and planing mills (excluding hardwood flooring) les grand publishing acturers of plastics and synthetic resins ries acturers of plastics and synthetic resins ries acturers of plastics and synthetic resins res atte structural metal industry manufacturers the manufacturers ette products manufacturers ete products manufacturers et products manufactur	20 11 12 34 8 80 102 168 76 6 6 7 54 3 13 48 64 21 21 26 11 3 26 12 15 16 16 16 16 16 16 16 16 16 16 16 16 16	3,840 1,592 1,149 2,039 621 590 1,478 1,983 1,510 491 421 731 400 421 731 952 472 953 218 600 359 3,286	17, 941, 108 9, 423, 365 6, 043, 593 7, 073, 217 2, 349, 943 1, 678, 742 4, 930, 497 6, 583, 427 6, 486, 432 2, 981, 370 2, 564, 830 2, 981, 370 2, 122, 148 2, 163, 415 2, 122, 830 2, 983, 947 2, 122, 830 2, 983, 947 2, 122, 830 2, 963, 947 2, 122, 830 2, 973, 983, 947 2, 122, 136 42, 743 2, 674, 095 1, 270, 497 15, 316, 281	164, 790, 568 76, 537, 337 11, 693, 467 23, 793, 053 23, 685, 039 12, 427, 163 8, 873, 757 5, 468, 424 7, 409, 916 4, 050, 350 8, 251, 534 10, 317, 612 1, 773, 889 6, 302, 138 4, 318, 986 6, 302, 572 2, 708, 810 64, 485, 882 708, 810 64, 485, 883	31, 341, 400 29, 830, 193 21, 166, 292 9, 897, 247 6, 185, 928 2, 800, 795 8, 418, 002 11, 456, 170 13, 856, 547 9, 933, 566 13, 554, 874 5, 709, 935, 575 9, 850, 711 3, 742, 021 7, 229, 027 7, 229, 027 7, 229, 027 7, 229, 027 7, 229, 027 7, 239, 027 7, 239, 027 7, 239, 027 7, 239, 027 7, 299, 027 7, 299, 027 7, 299, 027 7, 121 4, 426, 414	196, 263, 439 107, 836, 018 35, 051, 649 34, 240, 983 30, 205, 044 21, 180, 396 20, 871, 043 19, 465, 058 17, 923, 464 17, 442, 574 14, 052, 831 13, 996, 352 12, 866, 649 11, 836, 834 11, 796, 082 10, 547, 853 10, 479, 492 10, 455, 559 160, 038 8, 607, 147 8, 414, 826 106, 237, 786

¹ See "Changes in Classification and in Concept" at the beginning of this report.

SECTION F. BRITISH COLUMBIA

On the basis used in compiling comparable data for the 1957-61 period, the manufacturing establishments in British Columbia in 1961 numbered 3,502. They furnished employment to 97,518 persons, paid \$440,197,776 in salaries and wages, spent \$1,065,073,007 for materials used and reported factory shipments valued at \$1,967,091,438. Value added by manufacture amounted to \$863,442,538. These data represent 7.7, 8.1 and 8.1 per cent, respectively, of employment, shipments and value added for all Canada and make British Columbia the third most important manufacturing province, outranked only by Ontario and Quebec in that order.

Compared with a year earlier, employment in British. Columbia in 1961 fell by 1.4 per cent whereas salaries and wages advanced by 1.3 per cent, cost of materials used by 5.8

per cent, value of shipments by 3.1 per cent and value added by 1.6 per cent. These changes indicate a slight loss in relative position when compared with the 1961 experience of total Canadian manufacturing which reported a loss of only .83 per cent in employment and increases of 4.1 per cent and 2.9 per cent, respectively, for value of shipments and value added by manufacture. Expressed as a percentage of Canada totals, British Columbia in 1961 accounted for 7.7, 8.1 and 8.1 per cent, respectively, of employment, shipments and value added compared with 7.8, 8.2 and 8.2 per cent, respectively, in 1960.

The counter movements in employment versus salaries and wages in British Columbia reflect the general upward trend in average earnings in recent years. Though 6.6 per cent smaller in number, the persons employed in British Columbia manu-

Reported on a production basis,
 Includes: Cement manufacturers, Iron and steel mills, Smelting and refining and Steel pipe and tube mills.

Reported on a production basis.

Railroad rolling stock industry, Smelting and refining, Steel pipe and tube mills, Sugar refineries and Pulp and paper mills

facturing in 1961 received 9.4 per cent more in salaries and wages than in 1957. The 6.6 per cent drop in employment was accompanied by a 13.2 per cent increase in value of shipments. For Canada as a whole, in a 1961 over 1957 comparison, employment in manufacturing fell by 5.7 per cent while value of shipments advanced by 13.0 per cent and volume of production by 7.1 per cent.

Fisheries, minerals and electric power all contribute greatly to the Province's industrial strength but the forest-based industries are the backbone of British Columbia's economy. In addition to being the most important industrial group in the Province, these industries produce a significant proportion of Canada's output of wood products. Since the mid-20's British Columbia has contributed an average of at least half of Canada's cut of lumber. Its share of the Canadian total of lumber sawn in 1961 was 68 per cent. The province in that year also accounted for 85 per cent of all plywood produced and practically all (97 per cent) of the shingles manufactured. Its output of pulpwood has risen steadily and its production of wood residue is expanding rapidly. In the year under review British Columbia accounted for 15 per cent and 75 per cent, respectively, of Canada's production of these two commodities.

The importance of British Columbia's forest industries is reflected in its first-ranking position among the provinces in the wood industries industrial group. Ontario and Quebec are outstandingly predominant in all other major groups of the manufacturing division of the Standard Industrial Classification. In the wood industries group, however, British Columbia holds the dominant position. In 1961 it reported 52.7 per cent of the total value of factory shipments reported for the group, outranking both Ontario and Quebec which accounted, respectively, for 17.1 per cent and 17.9 per cent.

Indicative of the importance of the forests in the industrial life of the Province, the combined value of the factory shipments in 1961 of the wood industries group (\$556,103,060) and the paper and allied products group (\$323,142,939) accounted for 44.7 per cent of the total \$1,967,091,438 reported by British Columbia's manufacturers in that year. Sawmills (excluding shingle mills) with factory shipments valued at \$368,784,217

retained their traditional top spot among the Province's industries followed by the pulp and paper mills with factory shipments worth \$284,225,380. The relative importance of these two leading industries to the Province's economy has been changing over the years due to the faster expansion of the latter industry. The value of factory shipments reported by sawmills (excluding shingle mills) in 1961 represents an increase of 18.4 per cent over 1957 compared to a 63.9 per cent advance by the pulp and paper mills in the same comparison.

Third in importance was the petroleum refineries industry with factory shipments valued at \$110,051,004. Following in fourth place was veneer and plywood mills which reported shipments worth \$91,414,031 or 63.6 per cent of the 1961 Canadian total for this industry. The fish products industry, recovering from a very poor year and a seventh-place ranking in 1960, occupied the fifth position with shipments valued at \$72,987,134. This amount represents 43 per cent of the Canadian total for this industry in 1961. Other leading industries in order of importance are: sash and door and planing mills, slaughtering and meat packing plants, pasteurizing plants, miscellaneous food manufacturers and manufacturers of industrial chemicals, etc. The non-ferrous metal smelting and refining industry also ranked among the leading industries. Information, however, cannot be published as there were fewer than three smelters in operation.

The non-durable or consumer goods industries reported 39,272 or 40.3 per cent of the persons employed in manufacturing in British Columbia in 1961, while the durable goods industries provided employment for the balance of 58,246 or 59.7 per cent. Factory shipments by the non-durable group were valued at \$1,003,128,459 compared to \$963,962,978 for durables, these amounts representing 51.0 and 49.0 per cent, respectively, of the \$1,967,091,438 total reported by British Columbia manufacturers in the year under review. The food and beverage industries with 15,444 employees and shipments valued at \$397,776,809 constituted the leading group in the non-durable goods sector. In the durable goods sector the wood industries with 35,808 employees and shipments worth \$556,103,060 ranked as the major group.

TABLE 63. Principal Statistics of the Leading Industries, British Columbia, 1961 Basis: Revised Standard Industrial Classification and New Establishment Concept1

_	2002. An index deathers and the Establishment Concept										
No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments				
		nu	mber		dolla						
1	Sawmills (except shingle mills)	897	24, 215	102, 656, 701	216, 465, 810	146, 394, 215	368, 784, 217				
2	Pulp and paper mills	14	9,496	53, 943, 378	102, 789, 768	167, 296, 322	284, 225, 380				
3	Petroleum refining	7	1,294	8,028,610	81,304,232	25,047,368	110,051,004				
4	Veneer and plywood mills	19	6,146	27, 379, 279	52, 688, 386	35, 484, 860	91,414,031				
5	Fish products industry	46	2,805	10,244,096	49, 424, 396	28, 335, 515	72, 987, 134				
6	Sash and door and planing mills (excluding hardwood flooring)	183	3,321	13,563,027	41,660,617	23, 931, 905	66, 618, 539				
7	Slaughtering and meat packing plants	21	1,477	7, 280, 719	50, 680, 542	10,393,459	61, 207, 678				
8	Pasteurizing plants	43	2,042	8,783,423	29, 843, 943	13,090,250	43,737,371				
9	Miscellaneous food manufacturers	35	783	2,993,793	32,968,697	10, 454, 177	43, 323, 136				
10	Manufacturers of industrial chemicals	16	1,445	7, 153, 747	17, 209, 312	25, 394, 478	41,867,578				
11	Fruit and vegetable canners and preservers	45	1,905	5, 625, 468	24,023,041	11,832,302	36, 636, 566				
12	Printing and publishing	92	2,927	14,772,527	6,990,668	26, 522, 045	33, 833, 568				
13	Bakeries	316	3,122	11,109,414	12, 646, 263	17, 480, 665	31,032,868				
14	Shipbuilding and repair	19	2,946	14,824,610	8,815,276	20, 955, 941	30,111,5042				
15	Feed manufacturers	38	623	2,565,858	19,658,047	5, 940, 431	26, 088, 945				
16	Metal stamping, pressing and coating industry	47	838	4,483,576	13,320,305	9, 189, 072	23,685,872				
17	Breweries	8	559	2,831,307	4,823,750	18, 154, 897	23, 335, 688				
18	Miscellaneous machinery and equipment manufacturers	45	1,568	7, 719, 894	7, 549, 407	12,144,643	20, 486, 493				
19	Shingle mills	45	1,373	6, 122, 487	8, 154, 851	7, 736, 293	16, 182, 614				
	Totals, leading industries ³	1,936	68, 885	312, 081, 914	781, 017, 311	615, 778, 838	1, 425, 611, 186				
	Totals, all industries	3, 502	97, 518	440, 197, 776	1, 065, 073, 007	863, 442, 538	1, 967, 091, 438				

¹ See "Changes in Classification and Concept" at the beginning of this report.

² Reported on a production basis.

Non-ferrous metal smelting and refining is also a leading industry. Statistics, however, are confidential since there are less than three firms reporting.

PART VI

SUB-PROVINCIAL DISTRIBUTION OF MANUFACTURING INDUSTRIES

The tables in this part of the report contain principal statistics on total manufacturing for counties or census divisions, and for cities and towns with selling value of factory shipments of \$1,000,000 and over and with three or more establishments, and by industry and municipality, where publishable, for the six leading metropolitan areas, together with certain summary tables. The tables correspond to those in Part II Section 7 and in Appendix I of the 1960 General Review and are, in general, summaries of, or extracts from, data already published in The Manufacturing Industries of Canada, 1961, Section G, Geographical Distribution (Catalogue No. 31-209). The same qualification set forth in footnote 1 to the table on page 6 of that report applies to the data in this Part, i.e. in order to maintain as much comparability as possible with subprovincial data for 1960, two industries (popultry processors and dental laboratories) and two groups of establishments (book

publishing and electro-plating), all of which were surveyed for the first time in 1960, are included in this part of the report. Data for these industries and groups of establishments for 1961 were excluded from the other parts of this report and the other general reports in the manufacturing series in order to maintain comparability over the 1957-61 period but they will be re-introduced in the revised 1961 statistics published in 1962 reports.

The inclusion of these additional industries and establishments for 1961 in this part of the report results in all provincial totals except those for Yukon and the Northwest Territories, as shown in Tables 64 and 66, being larger than those in the remainder of the report. The total difference in selling value of factory shipments amounts to approximately \$180 million.

TABLE 64. Principal Statistics of the Manufacturing Industries of Canada, by Province and Census Division or County, 1961

Census Division of County, 1961											
Census Division or County	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments					
	num	ber		doll	ars						
Newfoundland:			1								
Division No. 1	128 11 18 12 24 25 41 41 40	3, 923 817 699 31 2, 205 1, 583 406 139 107	11, 092, 313 1, 626, 732 1, 020, 370 66, 212 11, 604, 947 9, 556, 415 597, 769 236, 032 199, 661 36, 000, 451	19, 697, 046 3, 256, 581 2, 241, 926 79, 919 20, 630, 943 12, 535, 992 1, 427, 709 316, 014 458, 629	20, 485, 325 2, 202, 240 1, 958, 859 114, 960 25, 890, 350 17, 949, 905 764, 239 240, 579 476, 435 70, 082, 892	41, 334, 390 5, 583, 494 4, 227, 997 204, 640 50, 569, 716 31, 388, 598 2, 427, 331 586, 821 960, 837 137, 283, 824					
		-,,,,	30,000,101	00,011,100	10,002,002	131, 603, 064					
Prince Edward Island:											
Kings Prince Queens	36 55 71	281 563 937	470,603 1,174,633 2,678,113	1,697,507 6,025,642 13,807,771	656, 498 2, 443, 366 5, 272, 550	2,416,300 8,735,600 19,482,099					
Totals	162	1, 781	4, 323, 349	21, 530, 920	8, 372, 714	30, 633, 999					
Nova Scotia:]						
Annapolis Antigonish Cape Breton Coichester Cumberland Digby Guysborough Halifax Hants Inverness Kings Lunenburg and Queens Pictou Richmond Shelburne Victoria Yarmouth Totals	35 14 92 87 66 69 9 13 191 42 21 60 125 82 9 48 6 6 60 0	436 92 4,982 1,749 1,312 699 594 7,737 1,322 196 1,013 2,670 2,090 356 696 20 1,098 26,992	980, 358 276, 637 22, 546, 784 4, 266, 646 3, 943, 799 1, 205, 726 1, 153, 889 29, 255, 810 303, 567 2, 500, 007 8, 688, 581 6, 500, 043 822, 228 1, 394, 101 37, 706 2, 427, 949 89, 388, 131	3, 199, 495 849, 795 33, 994, 182 11, 041, 887 6, 716, 281 3, 690, 502 2, 697, 231 83, 974, 135 6, 849, 593 1, 104, 536 12, 645, 291 16, 739, 511 13, 424, 982 2, 089, 077 4, 168, 303 35, 864 6, 571, 476 209, 792, 141	1, 300, 843 573, 378 28, 646, 146 8, 437, 714 6, 918, 590 2, 002, 952 1, 649, 647 62, 306, 127 6, 015, 539 468, 465 5, 299, 192 17, 281, 483 9, 846, 303 1, 424, 265 2, 188, 093 54, 583 5, 452, 262 159, 865, 582	4,707,276 1,461,796 64,687,148 19,689,501 14,043,184 5,872,778 4,403,399 147,762,968 13,309,684 1,671,206 18,030,338 36,281,518 24,763,465 3,559,192 6,461,567 90,358 12,265,537 379,070,915					
New Brunswick:											
Albert Carleton Charlotte Gloucester Kent Kings Madawaska and Restigouche Northumberland Queens St. John Sunbury Victoria Westmoreland York	16 35 54 70 20 36 76 51 20 109 5 32 127	172 681 1,768 1,971 3,10 454 3,181 1,089 246 6,600 32 347 4,007 1,665	533, 111 1, 501, 878 3, 726, 507 6, 715, 058 544, 546 1, 509, 821 14, 061, 825 3, 500, 918 583, 663 23, 280, 522 993, 958 12, 615, 601 4, 486, 233	752, 568 5, 393, 404 7, 813, 154 15, 131, 856 3, 046, 455 3, 513, 671 25, 856, 288 7, 874, 460 937, 382 108, 501, 002 214, 894 2, 042, 019 31, 635, 144 11, 346, 616	1, 241, 807 3, 812, 609 5, 787, 732 13, 869, 35 635, 603 3, 317, 650 760, 153 65, 116, 811 102, 518 1, 976, 726 19, 715, 487 7, 801, 301	2, 157, 791 9, 228, 247 15, 047, 270 30, 656, 645 3, 815, 251 7, 622, 180 64, 834, 936 12, 219, 013 1, 869, 370 174, 549, 666 297, 288 4, 132, 707 52, 781, 530 19, 545, 006					
Totals	730	22, 523	74, 121, 768	224, 060, 913	160, 231, 193	398, 756, 870					

TABLE 64. Principal Statistics of the Manufacturing Industries of Canada, by Province and Census Division or County, 1961 — Continued

Census Division or County	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
ebec:	num	ber		dol	lars	
Abitibi and Témiscamingue	213	0 140	11 800 810			
Argenteuil	54	3, 149 3, 150	11,707,716 11,933,547	121, 457, 191	29,742,955	156, 428,
Arthabaska	153	4, 235	11,543,908	22, 613, 453 33, 590, 798	26, 086, 811	49, 388,
Bagot	71	1,958	4, 674, 060	18 383 494	20, 959, 348 8, 615, 326	55,007,
Beauce	168	3,761	9,215,755	18, 383, 424 21, 175, 079	18, 540, 752	27, 200, 3 40, 235,
Beauharnois	78	5, 185	19,657,307	41, 558, 219	44, 158, 396	91. 278
Bellechasse	64	402	959,222	4,969,147	44, 158, 396 1, 736, 805	91, 278, 6, 752, 16, 215,
Serthier	92	1,486	3,521,319	9, 493, 454	6,653,882	16, 215,
Brome	58	406	782,084	2,559,108	1, 212, 284	3, 964,
Chambly	37	455	1,104,264	3,940,374	4,010,764	8,049,
Champlain	153 212	7,035	28,911,606	47,056,234	39, 597, 878	85,785,
Charlevolx Est and Ouest	49	7,675 684	28, 546, 178	77, 902, 006	63,606,583	146, 237,
Chateauguay	31	612	2,987,051 1,816,153	7, 176, 240 6, 851, 546	7,082,421	15, 686,
Chicoutimi	152	9,670	51,793,360	108, 999, 429	4,091,975 115,496,827	10, 529,
compton	59	1,398	5,017,381	16, 499, 530	10, 125, 918	231, 701,
Deux-Montagnes	57	400	1,018,883	2,871,938	1,732,243	28, 232, 4, 723,
Oorchester	99	642	1,535,955	10, 401, 891	2,849,150	13, 446,
Orummond	128	6, 563	21,230,828	51,737,954	50, 665, 442	106, 276,
Prontenac Haspé-Est and Ouest	91	1,256	2,745,692	7,030,626	4, 649, 200	11,990,
datineau	95 40	1,348	4,257,193	30, 438, 027	8,895,339	39, 954,
ul	70	342 5,337	874, 487	2,012,930 49,938,209	1,517,134	3,591,
untingdon	29	766	24, 206, 969 2, 712, 557	49, 938, 209	47, 403, 706	106, 228,
perville	35	319	893, 363	7,385,860 1,965,919	4, 499, 148	11,686, 3,752, 2,758,
es-de-la-Madeleine	22	518	642, 825	1,767,868	1,665,369 953,294	3, 752,
esus Island	93	1,241	3,780,059	7, 141, 660	8,056,428	15, 037,
oliette	127	3, 184	10, 102, 726	28, 292, 282	24, 301, 304	53, 330,
amouraska	72	429	885,738	3,824,096	1,551,327	5,504,
abelle	78	644	1,655,219	4,884,937	3,872,816	8,818,
ac St. Jean-Est	68	2,300	11,639,106	40,834,480	40, 153, 446	81.782.
ac St. Jean-Ouest	121	1,547	5,715,948	18, 512, 437	18,830,920	39, 448, 27, 281,
'Assomption	48 71	1,786	6,885,253	12,974,956	13,842,311	27, 281,
évis	79	1,853 3,530	6,317,912	17,067,832	4, 981, 489	25, 684,
'Islet	77	918	13, 146, 608	16,722,737	23, 651, 910	41,031,
otbinière	106	988	2, 280, 672 2, 301, 512	5, 122, 976 9, 325, 570	4, 223, 438	9,234,
askinongé	69	1,637	4, 276, 546	8, 786, 318	4, 899, 299 8, 056, 822	14, 631,
atane	48	524	1,558,145	3, 490, 992	3, 424, 720	18,004, 7,027,
latapédia	55	327	829, 320	2, 805, 494	1, 485, 879	4, 307,
égantic	110	1,862	6, 043, 178	10, 619, 888	10, 336, 007	20, 849,
issisquol	70	3,420	10,879,420	21,561,051	21,549,342	44, 378,
ontcalm	59	429	1,039,577	4, 181, 169	1,948,776	5, 975,
ontmagny	79	1,694	5,011,832	12, 325, 585	11, 273, 881	23, 545,
ontmorency, No. 1	35	730	3,070,523	7, 192, 992	9,832,333	18, 578,
ontreal Island	4,725	180 233, 500	462,709	953,897	743, 222	1,737,
apierville	26	424	943, 191, 323	2,291,760,490 5,021,359	1,769,431,785	4,088,395,
icolet	93	958	2, 182, 382	10,060,041	3, 236, 963 3, 993, 195	8, 285, 4 14, 502,
apineau	58	1,854	8,511,585	23, 937, 882	19,815,729	45, 683,
ontiac	33	335	972,809	3,061,884	1,508,171	4, 597,
ortneuf	134	3,024	11,768,884	21,544,093	23, 476, 002	49, 279,
uěbec	552	19,170	66, 389, 405	133,780,807	135, 595, 893	277, 172,
ichelieu	74	4, 348	17, 339, 438	21,240,895	30, 148, 004	58,760,9
ichmond	62	3,609	14, 187, 272	28,083,370	25, 178, 420	57,068,
imouskiivière-du-Loup	119	1, 138 611	3, 264, 733 1, 581, 389	7,993,969 6,032,899	5, 893, 392	14, 162,
ouville	88	1,723	4,621,054	23,745,574	2, 936, 140 8, 716, 954	9,095,1
aguenay	61	2,328	12,693,109	34, 069, 681	33, 157, 574	32, 183, 9 70, 753, 3
nefford	138	7,429	24, 232, 805	57, 755, 902	52, 971, 022	112, 140,
nerbrooke	135	8, 284	26, 913, 394	68, 040, 761	53, 666, 182	121, 533,
oulanges and Vaudreuil	75	732	1,764,195	8,491,522	3, 184, 148	11,716,
anstead	91	4,751	14, 285, 953	47, 154, 963	31, 916, 509	79,686,0
. Hyacinthe	146	5, 264	15,004,847	42,301,954	31, 199, 310	74, 191,
Jean	92	5, 229	19, 197, 752	42,977,402	37, 128, 430	80, 356,
. Maurice	165	13,540	59, 972, 104	112, 353, 622	135, 496, 752 2, 361, 700	267, 394,
émiscouata	57	515	1,364,054	3, 427, 187	2, 361, 700	6,040,9
errebonneerchères	229 67	6, 545 1, 722	21, 125, 615 7, 063, 640	48,550,391	40, 265, 678	90, 685, 1
olfe	40	594	1,288,103	25, 594, 720 3, 502, 733	20,343,334	48, 558, 7
olfeamaska	37	407	732, 857	3,771,715	1,345,494	
Totals	11, 168	426, 009	1, 632, 974, 467	4, 020, 653, 619	3, 218, 868, 865	5, 124, 8
						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
ario:	74	9,724	53, 238, 785	100, 066, 882	108, 958, 444	214, 243, 2
rant	230	11,082	42,918,582	91, 222, 119	82, 348, 868	175, 833, 6
ruce	131	2,026	5, 802, 385	16, 935, 776	9, 200, 840	26, 485, 2
arleton	274	10,976	45, 481, 195	76, 683, 481 39, 860, 388	89,833,033	167, 462, 2
ochrane	74	3, 789	18,878,508	39,860,388	49, 185, 132	93, 036, 7
ufferin	34	229	690,666	2,818,687	815, 237	4,362,2 23,800,8
undas	31	860	2,799,301	15, 612, 464	8, 596, 978	23,800,8
urham	106	2,383	10,057,243	84, 117, 170	21, 399, 373	106, 276, 6
lgin	469	3, 152 26, 060	11,697,655 129,121,297	57, 925, 328	31,044,947	78, 183, 3
rontenac	90	5, 956	26, 856, 468	291, 932, 582 60, 968, 885	254, 453, 394 60, 524, 942	560, 290, 7 121, 695, 2
	42	21000	20,000,200	1 600 1000 100	00,042,344	161,000.

TABLE 64. Principal Statistics of the Manufacturing Industries of Canada, by Province and Census Division or County, 1961 — Continued

Census Division or County	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
Ontario - Concluded:	nun	nber		dol	lars	·
Grenville	52	2,748	11,802,579	37, 328, 031	27,081,755	67, 783, 419
Haldimand	161 40	4, 411 2, 072	13, 585, 079	28, 264, 379	23, 819, 831	52, 186, 040
Hallburton	15		6,653,011	16, 488, 477	13,065,016	29, 505, 57
Halton	217	189	575, 485	727, 502	750, 239	1,541,586
Hastings	195	7,816	54,678,246	263, 259, 708	146,009,381	406,019,086
Auron	118	1,841	28, 397, 193 5, 882, 048	48,731,144	60,787,436	113,064,568
Kenora and Rainy River	77	3, 306	16, 100, 747	19, 746, 140	11, 101, 884	31, 282, 32
Kent	179	6,355	25, 415, 015	39,042,411	35, 474, 799	79, 390, 65
Lambton	130	8,899	48, 656, 203	101, 987, 897 263, 365, 465	51, 738, 638	160, 535, 58
Lanark	107	2,698	8,430,904	18, 532, 386	168,760,062 19,600,734	448, 053, 705 38, 359, 268
Leeds Lennox and Addington	88	3,794	15, 346, 944	45, 020, 608	27, 246, 419	73, 625, 30
Lincoln	41	1,374	5,912,803	13, 579, 761	12, 834, 529	27, 621, 791
Manitoulin	224	13, 188	58, 312, 283	103,897,093	104,028,970	208, 695, 559
Middlesex	17 382	74	161,763	784,865	272,864	1,088,802
Muskoka	63	19,694	79,618,455	158, 355, 060	175, 124, 563	328, 901, 501
Nipissing	80	581	1,841,923	3,928,249	2,788,232	6, 858, 117
Norfolk	83	2, 625 2, 385	10, 403, 764 9, 304, 622	17,019,661	19,945,412	37,813,560
Northumberland	100	2, 106	6,972,498	58, 125, 067	18, 497, 238	80, 595, 387
Ontario	205	19, 316	94, 353, 604	22, 143, 844 381, 676, 846	18, 320, 676	40,775,664
Oxford	165	6,630	25, 475, 568	80, 348, 038	210, 099, 333	589, 656, 026
Parry Sound	65	782	2,787,455	5,702,952	52,048,703 7,121,711	135, 721, 439
reel	232	13,536	61,880,493	189, 388, 281	129, 697, 963	13, 130, 640
Perth	147	5, 466	18,637,598	57, 520, 588	38, 165, 232	97 980 95
Prescott	128	7,953	18,637,598 37,726,180	55, 422, 761	61, 534, 248	324, 165, 26 97, 980, 854 118, 609, 908
Prince Edward	61	1,125	4, 120, 311	8,744,789	5,869,509	15, 589, 683
Rentrew	54 138	840	2,655,827	6,755,655	6,935,040	15, 121, 719
Russell	33	4, 163	14, 314, 422	26, 221, 288	26, 402, 314	54, 793, 693
Stincoe	246	8, 200	453,389 28,889,282	3,849,483	942,365	4,871,462
Stormont	79	5, 018	22, 207, 007	64, 609, 735	51, 520, 349	117, 138, 965
Sudbury	126	11,347	56, 186, 473	41, 473, 612 149, 959, 165	46, 604, 162	94,098,658
Illuffuer Bay	152	7, 110	34, 858, 037	86, 603, 861	268, 649, 677	437, 819, 582
Timiskaming	76	1, 157	3,909,222	6, 758, 393	80, 434, 568	178, 984, 414
VICEOUS	74	1,955	6, 532, 160	11, 492, 983	6, 269, 654 12, 374, 534	12, 912, 664
Waterloo	538	31,300	6,532,160 121,739,841	263, 338, 253	232, 214, 560	23, 929, 456
Wellington	282	22,613	111,908,445	373,882,951	218, 377, 552	504, 913, 873
Wellington Wentworth	222	9,028	33,768.931	76, 486, 464	67, 525, 994	614, 065, 230 148, 258, 419
York	634	52,733	259,087,991	541, 528, 470	563, 155, 974	1, 136, 566, 690
	4,769	210,398	912, 448, 358	1,849,458,841	1,713,296,449	3, 578, 363, 658
Totals	12, 414	595, 391	2, 611, 226, 061	6, 388, 733, 688	5, 457, 429, 378	
anitoba;			, , , , , , , , , , , , , , , , , , , ,	0,000,133,000	0, 401, 429, 318	12,035,807,772
Division No. 1	20					
DIVISION NO. 2	32 35	607 519	1,158,906	4, 473, 433	2,741,338	7,403,627
Division No. 3	29	97	1,192,506	4,894,347	2,573,057	7,516,404
Division No. 4	11	138	250,048 317,734	1,434,106	427,324	1,905,255
DIVISION NO. 5	23	1,001	4, 561, 420	1,004,375	551,508	1,566,003
DIVISION NO. 6	23	377	1, 299, 894	5,780,277 4,816,903	7,514,817	13, 554, 511
Division No. 7	62	971	3, 518, 849	12, 769, 120	2,574,142 6,700,923	7, 434, 950
Division No. 8 Division No. 9	14	86	241,323	1,507,510	609,738	19, 880, 956
Division No. 10	8	87	241,131	459,818	420,762	2, 165, 462 954, 883
Division No. 11	23	144	382,891	2,028,709	615,935	2, 655, 012
	10	31	66,383	489, 294	128, 451	629,690
	30 10	122	384, 143	1,589,141	1,800,239	3, 538, 029
	15	33 60	84,753	456,780	150,084	621,598
	37	93	125, 288	580,954	265,989	853,247
	68	1,828	198,466 8,817,285	862,531	391,099	1, 299, 848 69, 794, 270
DIVISION NO. 17	33	146	380,796	25, 238, 232	38,680,480	69, 794, 270
DIVISION NO. 18	18	43	92,932	1,824,752 492,336	847,660	2, 733, 427
Division No. 20	989	35, 574	135,661,073	377, 618, 784	146,378	658, 297
Totals	1,470	41, 957			251, 458, 666	635,005,585
	21210	11,001	158, 975, 821	448, 321, 402	318, 598, 590	780, 171, 054
skatchewan:						
Division No. 1	22	197	700 057	1 084		
Division No. 2	16	148	708,857	1,371,577	955, 126	2,588,647
	7	26	575,529 72,800	2, 365, 441	1,050,765	3, 464, 149
	7 7	37	109,047	130,896	132,760	272,521
1713100 140. 5	31	208	604, 509	300,899 4,241,588	159,047	419,060
71 VI SIOII 140. D	137	3,904	16,932,052	67, 184, 615	1, 199, 433 44, 282, 299	5,579,037
Division No. 8	52	1,441	5,832,680	35, 175, 239	13, 414, 209	111, 173, 702 48, 759, 750
	29	252	848, 498	2,768,206	1,653,742	48,759,750
	48	452	1,514,056	6, 185, 576	3, 953, 039	10, 319, 316
	17	134	329,577	2,027,091	527,942	2, 630, 776
	146	3,596	14,674,027	67, 593, 548	29,718,861	98, 992, 848
	8	30	80,673	301,472	159,917	469,892
	11 72	53	160,319	399,013	271, 269	687, 252
71 VISION NO. 16	29	412	967, 484	3,909,561	1,751,289	5, 780, 495
	29	198	601, 571	2,769,286	1,136,089	3,927,854
Division No. 18 and 15	62	110	362,952	1,066,991	527,583	1,637,918
Totals		1, x0x	5,859,617	27, 428, 516	22, 525, 812	52,088,841
A COURT CONTRACTOR OF THE PARTY	715	12, 632	50, 234, 248	225, 219, 515		

TABLE 64. Principal Statistics of the Manufacturing Industries of Canada, by Province and Census Division or County, 1961 — Concluded

Census Division or County	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	
	num	ber	dollars				
Alberta:							
Division No. 1 Division No. 2 Division No. 2 Division No. 3 Division No. 4 Division No. 5 Division No. 6 Division No. 7 Division No. 8 Division No. 8 Division No. 10 Division No. 10 Division No. 11 Division No. 12 Division No. 12 Division No. 13 Division No. 14 and 15 Division No. 15 Division No. 16 Division No. 17 Division No. 18 Division No. 19 Division No. 19 Division No. 10 Division No. 11 Division No. 11 Division No. 11 Division No. 13 Division No. 14 and 15 Division No. 15 Division No. 16 Division No. 17 Division No. 18 Division No. 18 Division No. 19 Di	50 95 32 7 28 426 32 103 27 66 524 25 63 149	1,996 2,181 382 26 155 12,046 212 836 419 740 17,147 118 438 1,997	7, 808, 946 7, 958, 016 991, 695 81, 207 506, 313 51, 909, 536 838, 904 2, 692, 104 1, 694, 557 2, 330, 059 73, 648, 213 276, 318 1, 093, 589 7, 073, 357	22, 535, 535 38, 306, 089 2, 954, 859 262, 057 874, 711 182, 712, 426 3, 445, 385 13, 192, 177 1, 766, 840 18, 222, 807 269, 122, 944 1, 849, 445 5, 018, 621 18, 410, 063	18, 923, 608 17, 922, 233 1, 958, 321 154, 070 876, 536 100, 302, 129 2, 240, 341 7, 447, 139 3, 891, 904 9, 764, 460 163, 359, 046 488, 703 1, 913, 925 19, 935, 739	41, 508, 918 57, 824, 147 4, 688, 332 425, 140 1, 763, 412 285, 806, 551 5, 900, 502 21, 238, 644 6, 460, 887 30, 148, 396 440, 521, 714 2, 381, 916 7, 069, 794 40, 320, 871	
Totals	1,627	38, 693	159, 402, 814	578, 673, 959	349, 178, 154	946, 059, 22	
British Columbia; Division No. 1	88	1,649	6, 598, 724	13, 106, 459	9, 564, 142	23, 022, 965	
Division No. 2 Division No. 2 Division No. 3 Division No. 4 Division No. 5 Division No. 6 Division No. 7 Division No. 7 Division No. 8 Division No. 9 Division No. 10	131 248 1,938 382 225 23 474 58 63	1, 549 6, 246 3, 556 55, 370 14, 163 3, 136 3, 402 5, 915 4, 228 679	0,395,124 29,106,158 12,545,510 251,323,031 67,559,532 11,859,981 19,275,003 21,292,443 20,787,736 2,702,338	13, 106, 498 83, 128, 741 26, 736, 563 626, 855, 625 141, 971, 133 30, 889, 019 34, 138, 610 48, 765, 621 62, 022, 714 6, 962, 524	5, 364, 142 54, 169, 512 21, 095, 080 442, 054, 923 162, 558, 218 21, 484, 096 61, 167, 867 34, 856, 861 56, 266, 019 5, 079, 479	23, 022, 965 138, 897, 595 49, 264, 836 1,081, 610, 888 318, 258, 677 53, 545, 331 98, 191, 825 86, 072, 866 119, 423, 151 13, 323, 891	
Totals	3,630	98, 344	443,050,456	1,074,577,009	868, 296, 197	1, 981, 612, 01	
ukon and Northwest Territories:							
Totals	13	138	681, 246	2, 600, 056	707, 998	3, 434, 13	

TABLE 65. Principal Statistics of Manufacturing Industries of Cities and Towns with Selling Value of Factory Shipments of \$1,000,000 and Over, and with Three or More Establishments, 1961

Note: Statistics for cities and towns with three or more establishments cannot be published when one establishment has 75 per cent or two establishments 90 per cent of the total value of shipments.

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nun	iber	-	dol	lars	
Newfoundland:						
Harbour Grace St. Johns	6 72	244 2, 42 3	489,643 7,736,948	1,197,723 13,200,995	784, 292 15, 682, 720	1, 943, 285 29, 606, 976
Prince Edward Island:						
Charlottetown Summerside	31 19	670 280	2, 214, 912 723, 281	10,868,298 3,396,696	4, 454, 658 1, 764, 188	15,647,978 5,348,850
Nova Scotia:						
Amherst Antigonish Berwick Bridgetown Bridgewater Dartmouth Glace Bay Halifar Kentville Lockeport Lunenburg Middleton New Glasgow North Sydney Pictou Shelburne Stellarton Trenton Truro Windsor Yarmouth	26 8 10 6 14 21 13 95 9 3 15 4 25 11 10 11 10 8 8 27	966 79 395 103 180 741 228 5.141 194 489 213 394 166 188 739 1,229 272	3, 210, 139 260, 926 992, 210 294, 752 477, 336 2, 829, 298 506, 458 18, 792, 384 537, 430 473, 903 1, 975, 721 201, 270 1, 543, 749 704, 169 1, 307, 980 1, 30	4, 714, 631 815, 068 4, 045, 861 1, 026, 332 1, 133, 976 2, 125, 634 1, 062, 197 32, 341, 798 1, 232, 980 1, 110, 406 4, 710, 006 890, 430 3, 102, 143 1, 943, 432 1, 801, 401 1, 148, 686 772, 096 5, 687, 927 1, 875, 121 5, 742, 687	5, 639, 940 542, 653 2, 005, 004 648, 622 508, 078 5, 303, 276 836, 432 32, 893, 039 1, 052, 031 653, 826 3, 207, 022 293, 017 2, 984, 254 1, 048, 641 1, 317, 131 698, 502 492, 235 4, 185, 952 4, 186, 952 6, 044, 316 966, 616	10, 648, 033 1, 394, 020 6, 147, 123 1, 752, 916 1, 847, 150 7, 582, 782 1, 965, 129 66, 607, 441 2, 209, 854 1, 753, 682 8, 154, 900 1, 229, 182 6, 575, 688 2, 999, 359 3, 464, 703 1, 302, 999 10, 385, 248 13, 488, 692 2, 831, 954 10, 889, 547

TABLE 65. Principal Statistics of Manufacturing Industries of Cities and Towns with Selling Value of Factory Shipments of \$1,000,000 and Over, and with Three or More Establishments, 1961 - Continued

					Continued	
Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	num	ber		do	llars	
SV 92					1	1
New Brunswick:						
Campbellton Fredericton Crond Follo	13	158	467, 950	1, 238, 340	916, 993	2, 228, 328
Grand Fairs	35 13	928 103	2, 776, 457 275, 762	6, 161, 508	4, 752, 323	11, 139, 796
Lancaster	7	1, 106	4,610,781	574, 685 17, 307, 437	582, 312 16, 248, 888	1, 157, 327 35, 070, 608
Moncton Newcastle	60 10	2,590	9, 264, 664	24, 672, 063	13, 974, 410	39, 306, 935
Saint John Saint Stephen Shippegan	84	524 3,552	2, 163, 133 12, 807, 972 990, 391	5, 101, 915 85, 796, 891	1, 302, 136 40, 273, 311	39, 306, 935 6, 887, 226
Shippegan	14	419	990, 391	1,868,297	1,643,842	125, 528, 393 3, 585, 158
Sussex	5 12	289 218	424, 336 662, 765	1, 146, 870 2, 207, 758	688,251 1,055,991	1, 922, 226
Woodstock	9	114	253, 963	1, 212, 690	535, 117	3, 318, 749 1, 791, 455
Quebec:						
Acton Vale	12	1,362	0.045.054		1	
Alma	13	79	3, 345, 251 252, 520	8, 957, 329 455, 495	6,079,138 637,622	15, 213, 908
Amos	15	108	279,680	1,002,906	544, 617	1, 118, 536 1, 605, 859
Arthabaska	15 11	165 246	495, 447 473, 975	1, 249, 681 513, 390	857,022	2, 145, 496
Ayer's Cliff Bagotville	6	99	180, 892	945, 485	699, 293 411, 494	1, 245, 719 1, 345, 975
Beauceville	8 12	55	191.510	784, 115	297, 930	1, 093, 382
Deadlightion	15	192 1, 377	501, 475 6,071, 395	958, 169 12, 060, 113	791,656	1,734,880
Deaupoit	10	325	999, 205	2, 376, 087	14, 190, 656 1, 650, 656	29, 002, 499 4, 136, 733
Bedford Beebe Plain	12	635 181	2,091,905	1,920,402	4, 452, 720 602, 201	6, 460, 215
	11	111	412, 289 337, 905	753, 163 452, 496	602, 201 581, 151	1.425 090
Berthierville Cap-de-la-Madeleine Cherleshoure	16	594	1,677,308	3, 389, 393	3, 534, 764	1,067,533 6,747,771 55,732,352
	17	2, 747 125	9, 325, 107 352, 811	31, 515, 551	23, 170, 968	55, 732, 352
Chicoutimi Chomedy	39	574	1, 756, 252	990, 180 5, 169, 656	490,090 3,142,273	1,492,817 8,456,300
	19	255	845, 484	1,949,724	1,590,707	3, 445, 395
Cookshire	17	1,070 188	2, 913, 823 535, 674	4, 420, 130 1, 071, 531	4,596,961 900,567	9, 348, 578
	11	232	663, 497	1,052,740	1, 162, 346	2,040,890 2,242,841
Disraéli Dorion	10 14	163 298	339, 235	851, 748	663,900	1, 543, 659
Dorval Drummondville	16	514	686,924 2,550,515	1, 181, 388 3, 281, 836	1,061,766 5,793,213	2, 202, 901
Farnham	69	6, 183	20, 130, 023	38, 932, 753	47, 227, 759	8, 962, 149 89, 764, 736
F'ort Chambly	20 8	1,008	3, 187, 976 1, 728, 495	6,041,615	6, 118, 945	12, 598, 741
Gillard	16	633	1.729.149	2,915,068 2,787,930	2,881,364 3,261,986	5, 899, 928
Grand-Mêre	80	6,058	20, 352, 149	47, 145, 600	45,688,014	6,077,738 94,004,506
	30	2, 116	8, 190, 077 420, 259	12,668,806 636,049	15, 863, 076	29, 968, 886
	51	2,776	11,805,666	29, 031, 480	1, 225, 038 18, 118, 715	1,863,984 50,171,460
Huntingdon Iberville	13 20	686 251	2,518,380	6, 996, 979	4, 232, 790	11,016,307
Jacques Cartier Joliette	28	3, 619	759, 210 17, 542, 559	1, 241, 122 27, 313, 185	1,434,706 21,019,441	2, 767, 764
Jonquière Jonquière	56	2, 262	7, 206, 015	16,611,359	15, 884, 421	46, 903, 919 32, 625, 524
	18 78	544 11,774	2, 285, 663 55, 689, 408	3, 921, 609	4, 205, 673	8, 264, 548 182, 262, 761 9, 421, 714
Lachute La Malbaie La Pérade La Petra Birière	25	680	2, 228, 540	88, 342, 756 5, 494, 472	94, 306, 467 3, 479, 696	182, 262, 761
La Pérade	10	114	256,488	1,702,892	595,061	2, 324, 055
	11 5	137 164	320, 853 431, 064	736, 987 525, 645	454, 450	1, 217, 123
	18	46,3	1, 550, 875	2, 818, 909	906, 392	1, 467, 466 5, 635, 832
La Providence LaSalle Laurentides	57	76 5, 227	216, 632	1, 560, 508	2,806,191 460,916	2, 037, 152 170, 746, 640
Laurentides Lauretrides Laurier Station Laurierville Laval-des-Rapides Lennoxville L'Pninhanie	6	56	23, 866, 930 130, 767	81,302,671 283,227	88, 282, 979 811, 671	170,746,640
Laurierville	3	94	269, 818	541.338	678, 818	1, 112, 032 1, 274, 557
Laval-des-Rapides	20	252 219	511, 477 536, 889	485,580 625,083	676, 528	1, 132, 555
Lennoxville	8	329	1, 190, 726	3, 117, 074	1, 194, 323 2, 540, 412	1,808,465 5,709,768
	12 23	193	609, 283	1, 768, 174	1, 313, 800	3, 105, 672
Lévis Longueuil Lorettoville	38	508 1,333	1, 293, 963 4, 416, 408	1,927,379 6,391,546	2, 112, 008	4, 100, 803
Loretteville Louiseville	25	532	1, 334, 533	2, 230, 828	5, 662, 932 2, 050, 336	12, 157, 935 4, 295, 554
	20 17	1,063	3,000,414	4, 969, 243	6, 169, 126	12, 123, 808
	19	279 705	757, 034 1, 964, 066	1, 295, 557 8, 729, 584	1, 274, 713	2,650,562
Matane	18	205	577, 444	1, 323, 646	4, 169, 733 1, 148, 679	12,940,958 2,524,556
Mont-Joli Mont-Laurian	22 17	574	1, 348, 725	2, 452, 891	2, 406, 778	5, 041, 580
	24	574 278 321	793, 672 844, 031	2, 213, 061 1, 873, 655	1,654,484	3, 860, 516
Mont-Royal Montmagny Montréal	65	6, 543 1, 312	29, 288, 029	89 293 891	2, 234, 712 76, 144, 886	4, 115, 123 166, 397, 992
	3, 802	1, 312 165, 385	4, 173, 665	9, 421, 973	9, 776, 893	19, 083, 118
	36	6, 538	632, 333, 473 33, 214, 274	9, 421, 973 1, 209, 756, 397 476, 245, 771	9, 776, 893 1, 087, 201, 434 115, 221, 415	2, 314, 989, 772
Nicolet	100	1,714	0, 507, 748	12, 765, 866	115, 221, 415	597, 347, 675 23, 988, 672
	90	342 3,079	908, 337	3,059,533	1,648,888	4, 960, 856
	26	954	10,868,218 3,684,370	26, 351, 834 6, 692, 238	21,640,646 6,197,577	47, 920, 504
Pointe-Claire Pont-Viau	14	786	3, 684, 370 3, 733, 043	9, 448, 576	14, 037, 037	12, 651, 332 22, 853, 762
	19	339	1,040,502	1,971,803	2, 256, 617	4, 256, 025

TABLE 65. Principal Statistics of Manufacturing Industries of Cities and Towns with Selling Value of Factory Shipments of \$1,000,000 and Over, and with Three or More Establishments, 1961 — Continued

	of \$1,000,000 and over, and with Inree of More Establishments, 1961 - Continued											
Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments						
	nun	iber		dol	lars							
Quebec - Concluded:												
Princeville	14	516	1,584,219	7, 486, 373	3, 859, 001	11,014,118						
Quebec West	380 20	14, 122 562	1,584,219 51,254,095 1,615,357	7, 486, 373 106, 395, 680 2, 988, 659	107, 760, 905 2, 555, 267	220, 653, 543 5, 627, 000						
Richelieu Richmond	7	137	1, 615, 357 381, 291	832, 533 5, 041, 430	677, 881	1, 558, 641						
Rimouski	12 36	775 433	2, 144, 178 1, 449, 348	5,041,430 2,832,478	677, 881 3, 890, 464 2, 546, 772 4, 610, 045	8, 923, 417 5, 584, 325						
Riviere-des-Prairies	16 21	545	2, 209, 590	4, 711, 401	4, 610, 045	9, 335, 655						
Rivière-du-Loup Rougement	7	170 79	422,414 172,865	939, 169 824, 907	140, 953	1,663,426 1,138,722						
Rouyn St-Casimir	24 12	191 308	679, 425 953, 748	1,581,071	1, 451, 828	3,079,067						
	22	372	884,360	1,829,807 2,340,393	1,451,828 1,071,918 1,360,379 414,945	2,901,237 3,755,977						
St-Charles (de Bellechasse) Ste-Croix	6	82 231	250, 789 607, 152	1,044,720 1,049,909	414.945 921,696	1, 463, 467						
St-ÉmileSt-Eustache	9	431	1, 154, 542	2, 023, 197	1,712,118	1,463,467 2,056,862 3,728,977						
St-Félicien	20 17	172 227	521, 189 655, 431	1,342,140 1,969,114	957, 263 1, 604, 088	2,366,737 3,639,152						
St-Félix-de-Valois Ste-Foy	15 13	175 229	655, 431 400, 769 763, 382 855, 743	4,408,612	843, 384	5, 288, 444 3, 692, 372						
St-Gabriel-de-Brandon	18	391	855, 743	1,940,266 1,446,939	1,653,478 1,283,737	3, 692, 372 2, 760, 073						
St-Georges (Beauce)	12 86	425 4,311	1,059,633 12,399,076	1,446,939 1,518,571 31,636,208	1,528,669 27,025,871	3,080,610						
St-Jacques	11	176	443.141	2, 103, 141	908,590	2, 760, 073 3, 080, 610 59, 178, 165 2, 808, 068						
St-Jean St-Jerôme, St-Jean Co	80 9	5,008 110	18, 530, 562	41, 118, 206 820, 661	35, 458, 543 526, 998	76, 666, 884 1, 384, 591 44, 013, 096						
St-Jérôme, St-Jean Co. St-Jérôme, Terrebonne St-Joseph de Beauce	68 9	3,450 148	371, 248 11, 185, 735 311, 506	22, 667, 767	20, 264, 278	44, 013, 096						
	26	928	3, 160, 661	820, 661 22, 667, 767 520, 035 6, 365, 048	515, 602 5, 260, 456	1,061,310 11,897,757 293,965,681						
St-Laurent St-Leonard-d'Aston	119	18,546 143	90, 317, 289 258, 395	145, 008, 215 924, 073	149,675,372	293, 965, 681						
St-Marc-des-Carrières	8	138	458, 082	261,857	451, 030 629, 822	1,392,611 1,087,300						
St-Marie St-Michel (de Laval)	21 139	1,085 3,006	3, 285, 929 10, 673, 662	8, 230, 555	8,870,667	17, 383, 687 51, 507, 403						
St-Pie	17	267	640, 400	25, 630, 926 2, 247, 015 949, 779	1, 213, 398	3, 456, 360						
St-Raymond St-Rémi	12 17	216 342	559, 951 1, 004, 870	4, 502, 499	24, 562, 171 1, 213, 398 906, 336 2, 889, 038	2,037,525 7,406,777 1,175,582						
Ste-Rose	8 32	98 1,309	335, 084	532, 704 11, 573, 630	011,812	1, 175, 582						
St-Tite	20	460	4,401,348 1,115,103	2,053,478	9, 042, 813 1, 749, 240	20, 966, 470 3, 832, 877						
Sept-Îles	18 45	118 5,522	424, 885 27, 391, 775	610, 809	948, 133	1,604,040						
Shawinigan Shawinigan S.	9	82	257.318	52, 330, 865 1, 192, 956	66, 822, 157 675, 603 50, 540, 719	127, 998, 142 1, 878, 800						
Sherbrooke Sutton	118 12	7,875 242	25, 479, 356 533, 915	63, 249, 729 1, 998, 079	50, 540, 719 897, 674	1,878,800 113,570,731 2,936,565						
Terrebonne	20 34	621	1, 892, 619	3, 513, 828	3, 244, 596	6,891,079						
Three Rivers	82	373 7,837	1, 235, 725 32, 162, 609	1,644,033 58,035,591	2,503,718 67,927,664	4, 268, 274 136, 614, 767						
Thurso Trois-Pistoles	8 14	326 192	32, 162, 609 1, 251, 908 513, 179	58, 035, 591 1, 806, 007	1, 354, 856	3, 246, 771 3, 182, 122 1, 386, 301						
Upton	8	77	136, 625	2,050,083 1,161,565	1,095,618 272,367 870,919	1, 386, 301						
Val d'Or Valleyfield	15 48	3,086	429,927 10,490,525	900, 617 25, 684, 604	870, 919 26, 342, 947	1, 815, 182 53, 190, 873						
Verdun	71 56	1,842 2,429	5, 898, 078	8,801,309	10, 239, 779	19, 121, 954						
Victoriaville Warwick	12	325	6,911,648 794,835	13, 965, 594 2, 217, 312 3, 330, 355	11,669,825 1,728,841	25, 858, 985 4, 000, 975						
Waterloo	16	777 207	2, 144, 406 395, 842	3, 330, 355 1, 552, 658	1, 728, 841 3, 236, 095 508, 969	6, 761, 940						
Westmount	36	1,816	7, 970, 314	11, 571, 505	17, 248, 526	6, 761, 940 2, 144, 137 28, 935, 327						
Ontario:												
Acton	18	970	3,567,936	8, 207, 290	6,809,132 13,391,037	15, 119, 521						
Ajax	37 12	1,785 308	6,928,741 862,015	16, 187, 525 2, 937, 562	13, 391, 037 2, 843, 321	15, 119, 521 30, 092, 882 5, 672, 527						
Almonte	11 16	244 773	744, 182	3, 986, 036	2, 526, 790	6,501,382						
Arnprior Arthur	6	41	2,924,270 118,037	4,305,277 1,130,439	7,057,129 161,739	11, 350, 873 1, 339, 730						
Aurora	17 44	1, 120 2, 250	4, 143, 611 8, 966, 790	12, 684, 872	12, 449, 947	25, 260, 018						
Barrie	9	144	398, 187	24, 606, 781 786, 589	19, 049, 795 579, 098	44, 119, 332 1, 410, 184						
Belleville	59	3,425	14, 225, 896 203, 916	19,903,855 1,859,948	579, 098 28, 652, 176 474, 674	1, 410, 184 50, 306, 376 2, 378, 377 50, 340, 483						
Brampton	59	2,833	11, 551, 741 37, 557, 991	26 554 102	25,900,407	50, 340, 483						
Brantford	165 11	9,484	463, 482	80, 233, 507 1, 496, 931	73, 418, 641	155, 614, 156 2, 588, 554						
Brockville	38 61	2,806 2,283	463, 482 11, 58 0, 765 8, 935, 531	1, 496, 931 36, 430, 686 21, 718, 116	1,025,426 20,534,786 17,911,073 1,767,150	58, 040, 307						
Burlington Campbellford	20	319	969,059	2, 571, 512 79, 076, 498	1,767,150	39, 690, 398 4, 390, 275 116, 752, 904						
Chatham Chesley	72 10	3, 263	14,320,903	79, 076, 498	31, 048, 709	116,752,904 1,381,316						
Clinton	11	195	606, 787 558, 283 4, 653, 226	2, 186, 405	803,710 747,577	3,041,335						
Cobourg Cornwall	28 54	1, 282 4, 863	21, 758, 555	586,680 2,186,405 13,710,054 37,531,749 5,758,843	13, 857, 859 45, 883, 845 6, 445, 375	27,564,910 89,370,816						
Dundas	38	1,077	4, 269, 176	5, 758, 843	6, 445, 375	13,095,323						
Dunnville	13	1,323	3, 522, 455	7, 527, 565	5, 604, 961	13, 267, 552						

TABLE 65. Principal Statistics of Manufacturing Industries of Cities and Towns with Selling Value of Factory Shipments of \$1,000,000 and Over, and with Three or More Establishments, 1961 - Continued

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nur	nber	•	dol	lars	
Ontario — Continued:						
Eastview	20	379	1,629,943	6,285,842	2, 991, 551	9,367,045
Elmira	19	754	2,949,424	8,714,810	6,469,022	15, 432, 505
Essex	11	243	825, 239	2,439,098	1,819,757	15, 432, 505 4, 279, 018
Exeter Forest	8	184	521,683	1,701,245	1,230,325	2,989,264
Fort Erie	9 27	135	338,226	1,125,775	564,237	1,763,232
Fort William	60	1,044 2,848	4,966,645 13,580,115	8, 084, 803 33, 990, 594 48, 754, 955	9, 972, 723 28, 940, 943 48, 402, 436 5, 695, 452	18, 099, 420
GEIL	96	6,690	26,126,357	49 754 055	28, 940, 943	67, 997, 445
Gananoque	14	786	3,222,745	5 848 854	5 605 450	11 750 672
Georgetown	14 27	1,373	5, 759, 480	5,848,854 11,824,003	9,809,925	67, 997, 445 100, 288, 322 11, 750, 673 22, 100, 937
Goderich	17	432	1, 656, 686	E 140 000	2,866,917	8, 196, 843
Gravenhurst Grims by	8 16	254	907,713 1,078,272 26,006,121	1,793,387 2,007,443 55,475,767 519,077,145	1, 353, 104	3, 139, 962
Guelph	114	322 6,667	1,078,272	2,007,443	1,909,518 51,600,032	3,815,978
Hamilton	513	49, 886	248, 228, 632	510 077 145	51,600,032	110, 121, 046
Hanover	20	961	2, 959, 865	6, 556, 833	542,276,542 4,279,990	1,092,499,436 10,792,170 20,035,854
Hespeler	17	1,270	4, 473, 473	11, 463, 682	8, 403, 408	20 035 854
nuntsville	13	150	505.417	11,463,682 1,293,808	885, 890	2, 271, 646
Ingersoll	23	926	3,533,279 376,904	15 806 382	7, 774, 414	2,271,646 23,708,107
Kincardine	9	114	376, 904	2,221,699	1,014,075 1,307,965	3,309,127 2,943,960
Kingston	11 66	291	854, 762 19, 887, 180	1,503,768	1,307,965	2, 943, 960
Altenener	191	4,495 15,091	19,887,180 60,586,814	40,713,761	25.930.319	66 062 487
Lieaside	51	6,599	29, 753, 955	2, 221, 699 1, 503, 768 40, 713, 761 131, 239, 912 60, 259, 912	99,194,276 48,608,607	235, 454, 119 108, 014, 345 21, 285, 983 274, 893, 623
Lindsay	37	1,665	5, 802, 747	10, 083, 984	11 236 464	21 295 002
London	282	16,852	68, 286, 888	131, 367, 249	11,236,464 148,104,694	21, 400, 903
Long Branch	25	864	3,508,233	9, 016, 292	9, 209, 490	17, 819, 570
Markdale Markham	5	130	291,230	805 242	417,601	1, 239, 313
Meaford	13	254	818,863	1.852.801	2,545,084	4,513,321
Midland	18 26	586 1, 283	1,591,499 4,229,950	2, 887, 206 11, 889, 853 726, 241	3,117,257	6, 160, 751 18, 835, 079
Mildmay	6	53	131, 195	11,889,853	7,049,402 297,510 5,539,535	18, 835, 079
Milton	17	691	3, 059, 955	5,374,425	5 520 525	1,029,610 11,186,321 1,509,949
Milverton	9	159	483, 473	887, 258	520,515	1 500 040
Mimico	38	1, 265 288	4,829,436	10,871,307	9, 712, 341	20, 585, 228
Mount Forest	13	288	674,097 1,584,021	2, 199, 306 4, 424, 764	1,066,614	3,396,213
	18	430 164	1,584,021	4, 424, 764	2,509,289	6, 989, 229
New Diskeard	15	440	458, 283 1, 604, 662	529,694 2,712,192	671, 795	1,236,002
Mewmarket	19	1,009	3, 475, 726	6, 900, 947	671,795 2,488,961 6,760,173	1, 236, 002 5, 196, 980 14, 033, 049 167, 982, 440 1, 026, 335
New Toronto	30	6,063	32,728,289	87, 525, 683	77, 558, 091	14, 033, 049
Niagara	9	89	278, 221	464,090	526,644	1, 026, 335
Niagara Falls	74	3, 972	17, 961, 257 2, 529, 421 502, 387	30, 152, 442	35,450,592	00,099,094
Orangeville	32 16	649	2,529,421	4,089,873	4,084,609	8, 459, 255
North Bay Orangeville Orillia	54	156 2, 106	7,592,193	1,740,560 10,247,610	547,001 12,254,063	2, 995, 202
Citawa	218	9, 091	37, 024, 549	59, 511, 842	12, 254, 063	22,891,521
Owen Sound	43	2, 063	6, 925, 599	10,641,642	10, 847, 122	137, 330, 140
rans	26	1.061	3, 271, 048	5, 930, 852	75,847,122 12,547,655 5,301,073	137,330,140 23,285,587 11,639,030 17,663,460
Penetanguishene	25	1,348	4,671,756	8, 367, 551	9, 161, 451	17,663,460
	10 25	416	1,396,808	2,424,308	1,530,436	4,175,234 10,704,348
Reterborough	81	7,709	2, 525, 574	5,336,486	5,338,692	10,704,348
	15	195	36,925,419 674,390	52, 942, 138 2, 161, 250	59, 964, 978	114, 497, 683
FOR ARTHUR	54	2,222	10, 429, 689	22,469,600	1,075,139 23,403,193	3, 281, 837
Fort Dover	8	246	674, 829	4, 252, 728	1.382.379	5 705 631
Port Elgin Port Perry	7	153	360, 905	495, 921	1,382,379 531,362	48, 209, 926 5, 705, 631 1, 016, 977
	10 45	2, 226	202, 895	866.573	347,716	1,238,563 31,070,396
	27	903	8,560,655 3,027,899 1,613,197	16,297,217	14,492,472	31,070,396
	30	409	1 613 107	5,726,017 4,890,817 2,309,916 1,776,172	3, 813, 836	9,853,648 8,034,674
101dKerow II	13	271	840, 981	2,090,017	3,088,719 1,869,665	8, 034, 674
Riverside	8	146	581,678	1,776,172	1 020 777	4, 206, 530
St. Catherines St. Mary's	152	11.785	54 084 721	91, 761, 462	1,020,777 96,023,706	2,831,034 188,721,490 19,647,125
St. Thomas	13	701	2, 872, 491 8, 724, 866 38, 953, 849	9,332,889	8,327,049	19, 647, 125
	57 53	2,272	8,724,866	16,395,540	16, 323, 791	32, 495, 616
	12	6, 800 275	38, 953, 849	204, 758, 828	132,598,395	32,495,616 352,170,970
Simcoe	31	1,423	745, 903	2,022,704 27,960,806	1,080,463 14,288,497	3,140,119
Dill the Falls	27	777	2,781,655	4,419,965	14, 288, 497	46,008,212
Southampton	8	285	857, 257	1, 593, 074	7,761,736 1,061,067	12,186,370
Stayller	7	49	149, 543	658,716	385,606	2,661,835
Stoney Creek	14	137	515, 993	789, 762	734, 200	1,066,158 1,587,903
Stouffville Stratford	7	104	370, 516	537.080	482,143	1,051,290
	67	3,278	11,261,701 2,391,916	27,846,313	21, 573, 682	49, 704, 141
	23 17	709	2,391,916	27,846,313 4,721,078	5, 234, 861	9, 905, 770
	5	646 63	2,712,070	5, 184, 892 689, 826 10, 733, 060	5,165,375	10, 939, 860
	19	1, 276	182,385	689, 826	289, 019	1,013,021
	8	96	6, 102, 485 268, 195	10, 733, 060	10,018,859	20, 449, 456
	9	117	434.208	896,810 2,487,375	464,155 171,982	1,393,845
Thorold	20	1,461	6,799,981	12,549,153	11, 987, 227	3, 002, 220
Timmins	25	984	6,799,981 3,380,236 1,108,641	11 187 170	5, 402, 631	1,393,845 3,002,220 26,782,314 17,100,866
	25	369	1,108,541	2,180,863 1,010,974,767 12,600,433	5,402,631 2,525,508	4, 820, 355
Tienton	2,765	116,043	498, 275, 086	1,010,974,767	847,316,032 13,552,424	1,873,844,843
Uxbridge		1,665	5,596,132			7,010,011,010

TABLE 65. Principal Statistics of Manufacturing Industries of Cities and Towns with Selling Value of Factory Shipments of \$1,000,000 and Over, and with Three or More Establishments, 1961—Concluded

	o tory who t	Three o	i more Establis	snments, 1961 -	Concluded	
Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	num	ber		dol	lars	
Ontario - Concluded:						
Walkerton	15	618	1,835,612	4, 224, 167	3,000,611	7 226 840
Wallaceburg	31	1,655	6,567,319	8,424,634	11,873,326	7,236,849 19,748,205
Waterloo	7 67	160 3,688	384, 214 13, 901, 627	987,556 25,061,646	916,152 43,193,559	1,890,616 68,131,308
Welland	53 4	3,966 95	13, 901, 627 17, 000, 980	50, 297, 911	35, 792, 813	89,660,933
Weston	73	2,754	130, 871 11, 622, 961 463, 775	494,054 20,172,442 655,696	542,131 21,092,674	1,085,493 41,418,386
Wheatley Windsor	7 282	171 20,351	463,775 105,820,857	655,696 222,681,753	776,602 187,560,159	1,459,574 417,752,351
Wingham Woodbridge	17 10	390	1,200,057	2,826,967	2,526,787 1,278,935	5, 266, 702 2, 710, 717
Woodstock	56	124 3,842	463,339 15,543,594	1,354,465 43,267,733	1, 278, 935 31, 413, 730	2,710,717 76,607,894
Manitoba:						
Brandon	39	653	2,440,929	8, 261, 545	3,823,445	12,471,341
Dauphin	14 22	104 522	299,925 1,748,173	1,343,433 4,798,670	676,507 4,107,488	2,069,118 8,960,403
Morden Neepawa	11 10	269	1,748,173 536,704 211,519	1,278,525 1,127,526	1,115,901	2, 456, 005
St. Boniface	83	4, 699	20,322,818	135,629,042	1,115,901 287,149 35,706,031	1,453,205 171,670,975 42,983,135
St. James	69 9	2,838 240	10,818,017 540,458	21,635,789 891,378	21,521,223 1,221,572	42,983,135
Winnipeg	736	23,694	86, 394, 635	170, 087, 223	153, 950, 695	2,171,826 326,881,838
Saskatchewan:						
Melville Moose Jaw	11 47	113	338,646 5,808,285	2,550,127	739,549	3, 382, 725
North Battleford	13	1,432 119	394, 977	35, 167, 374 1, 225, 252	13,385,566 793,846	48,720,692 2,073,312
Prince Albert	26 124	841 3,521	394,977 3,420,721 15,116,033	1, 225, 252 14, 322, 647 59, 954, 268 66, 548, 310	8,659,379 40,241,560 29,116,273 1,596,300	23.185.429
Saskatoon	134	3,461	14,234,301	66,548,310	29, 116, 273	100,631,753 97,171,036 4,475,470
Swift Current Yorkton	21 22	235 274	813,270 949,893	2,736,983 3,389,282	1,596,300 2,573,078	4,475,470 6,070,559
					2,010,010	0,010,000
Alberta:						
Brooks	6 367	9,717	157,639	680,775	334, 825	1,028,447
Edmonton	420	12,928	41,927,548 51,724,636	166,941,388 172,936,964	84,923,903 101,626,172	253, 181, 804 276, 174, 133
Grande Prairie Jasper Place	17 12	368 125	1, 210, 558	2,145,186	1, 914, 872	4,217,372 1,165,408
Lethbridge	64	1,413	5, 309, 118	502,416 24,994,715 19,404,840	622,719 14,070,476 14,088,259	39, 314, 323
Medicine Hat	42 31	1,226 434	418,108 5,309,118 4,901,707 1,451,462	19,404,840 5,910,595	14, 088, 259 4, 152, 431	39,314,323 33,522,382 10,356,195
Rocky Mountain House	6	51	157,242	1,077,404	277,770	1,373,725
British Columbia: Abbotsford		88	202 200	420 045	60E 188	1 104 710
Armstrong	8	133	385,532 499,755	439,045 1,812,083	625,177 758,884	1,104,716 2,618,866
Chilliwack	22 12	391 75	1.207.419	3,484,887	1 869 941	5,592,604 1,322,821
Creston	10	175	285,640 637,002 504,460	803,797 1,044,615 1,082,273 2,389,501	492, 784 1,801,979 1,529,061 2,072,018	2, 958, 194 3, 354, 643
Dawson Creek Kanloops	18 25	138 317	504,460 1,234,093	1,082,273	1,529,061 2,072,018	3,354,643 4,618,477
Kelowna	31	911	3,565,083	6,725,963	5,541,699	12,800,167
Merritt	7 14	285 178	1,129,397 765,413	2,173,014 1,607,146	1,499,618 1,865,288	3,683,489 3,462,988
Nanaimo	26 22	381 217	1,703,024 718,016	2,543,445 1,279,457	3,569,124 1,168,883	6.324.151
New Westminster	97	5,328	24, 440, 919 9, 994, 933	53, 579, 335	46, 200, 714 20, 760, 741	2,521,344 101,383,744
North Vancouver	71 8	2, 025 93	316.375	53,579,335 14,256,603 808,547 2,070,658	609.398	36, 562, 451
Penticton Port Coquitlam	30 12	367 206	1,307,663 991,453	2,070,658 1,326,487	1,808,301 1,845,236	1,430,576 3,906,828 3,036,630
Port Moody	7	674	3 460 424	20, 232, 405	7,827,580	28,652,902
Prince George Prince Rupert	47 19	817 275	3, 179, 280 1, 093, 080 311, 550	8,303,683 2,891,345	5,327,833	13, 915, 925 4, 837, 789
Quesnel	19	99	311,550	2,891,345 679,866	1,869,111 468,266 829,941	1,194,726
Terrace	6 16	134 169	602, 583 579, 096	718,018 714,407	829, 941 916, 888	1,380,373 1,662,651
Vancouver	1,143 28	30, 989 482	141,169,361 1,606,461	277,891,062	226, 443, 221	509,665,553
Vernon	158	3,884	16, 832, 357	4,387,071 26,821,315	3,659,673 26,523,181	8, 035, 932 54, 442, 123

TABLE 66. Number of Cities and Towns with Selling Value of Factory Shipments of \$1,000,000 and Over, Number of Establishments and Total Shipments in these Centres as a Percentage of the Provincial Total, by Province, 1961

Note: Statistics published in this table are in some cases higher than the figures published in Table 65, since in the table below are included towns with shipments of over \$1,000,000 for which statistics must be withheld. It is not possible to publish this information in Table 65 without disclosing the operations of individual establishments.

Province	centre sellin of fa shipm	of urban es with g value actory ents of ,000,000	Number of establishments reporting in urban centres with selling value of factory shipments of over \$1,000,000	Selling value of factory shipments of urban centres having \$1,000,000 or over	Selling value of factory shipments of each province	Selling value of factory shipments of urban centres as a percentage of shipments in each province
		nur	nber		dollars	
Newfoundland		8	105	118, 870, 768	137, 283, 824	86. 6
Prince Edward Island		3	53	22, 205, 219	30, 633, 999	72. 5
Nova Scotia		26	423	235, 163, 228	379, 070, 915	62. 0
New Brunswick		18	308	321, 149, 623	398, 756, 870	80, 5
Quebec		210	8,069	6, 953, 273, 773	7, 376, 775, 785	94. 3
Ontario		194	8, 409	9, 608, 275, 429	12, 035, 807, 772	79. 8
Manitoba		14	1,025	609, 269, 129	780, 171, 054	78. 1
Saskatchewan		12	423	290, 565, 394	353, 363, 055	82. 2
Alberta		20	1,031	665, 767, 421	946, 059, 224	70. 4
British Columbia		31	1, 903	898, 974, 726	1, 981, 612, 017	45. 4
Yukon and Northwest Territories		-	_	_	3, 434, 135	***
Canada — 1961		536	21, 749	19, 723, 514, 710	24, 422, 968, 650	80. 8
1960		531	22, 862	19, 258, 567, 314	23, 747, 457, 083	81. 1
1959		475	22, 236	19, 085, 999, 783	23, 311, 601, 481	81. 9
1958		503	22, 808			
			22, 808	17, 603, 972, 221	22, 163, 186, 308	79. 4
1957		499	23, 542	17, 886, 715, 270	22, 183, 594, 311	80. 6
1956		498	23, 289	17, 262, 050, 120	21, 636, 748, 986	79. 8
1955		482	23, 618	15, 704, 708, 812	19, 513, 933, 811	80. 5
1954		472	23, 869	15, 045, 342, 071	17, 554, 527, 504	85. 8

TABLE 67. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, Selected Years, 1939 - 61

City and year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments ²
Iontreal:	nun	nber		dol	llars	1
1939	2,501	105, 315	114, 602, 118	254, 188, 246	• •	483, 246, 583
1944	3, 109	185, 708	308, 396, 358	650, 618, 563		1, 215, 988, 014
1949	4, 136	184, 779	399, 943, 526	847, 444, 669		1, 596, 713, 694
1955	4,379	176, 998	529, 339, 811	1, 021, 717, 306		1, 963, 367, 235
1956	4, 289	182, 759	582, 256, 675	1, 175, 253, 762		2, 207, 686, 246
1957	4, 268	183, 996	611, 657, 486	1, 214, 443, 559		2, 288, 258, 169
1958	3,943	173, 582	601, 773, 312	1, 198, 525, 280	1, 039, 159, 993	2, 265, 810, 124
1959	3,951	173, 279	626, 970, 086	1, 231, 974, 393	1, 086, 276, 852	
1960	3, 996	171, 621	643, 387, 247	1, 224, 513, 359	1, 118, 350, 304	2, 334, 129, 536
1961	3,802	165, 385	632, 333, 473	1, 209, 756, 397	1, 116, 350, 304	2, 349, 783, 042 2, 314, 989, 772

TABLE 67. Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, Selected Years, 1939-61 - Concluded

	Patak					
City and Year	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments ¹
	nun	nber		dollars		
Toronto:						
1939	2, 885	98,702	122,553,435	240, 532, 281		482, 532, 33
1944	3,344	154,538	260, 776, 613	513,429,109	• •	1,020,345,35
1949	4,005	158,562	368,510,524	837, 148, 440	• •	1,579,186,45
1955	3,497	134, 235	448,775,761	916, 493, 539	• •	1,732,099,12
1956	3,411	133,758	470,860,187	962,271,402	* *	1,797,706,14
1957	3,312	132,356	482,758,834	961,000,335	• •	1,832,080,72
1958	2,985	123,789	479,767,394	970, 815, 693	828, 472, 850	1,816,970,30
1960	2,890	123,963	503,765,998	1,008,784,582	852,074,583	1,867,389,94
1961	2,971 2,765	120, 235 116, 043	506, 872, 752 498, 275, 086	999,132,659 1,010,974,767	851, 461, 939	1,872,972,29
	2,100	110,045	430,213,000	1,010,914,101	847,316,032	1,873,844,84
1939	401	04 540				
1944	461	31,512	39,563,423	70,829,034		152,746,34
1949	480	53,500	94,982,915	171, 117, 467	• •	363,033,67
1955	546	54,665	137,641,333	285, 180, 403	• •	563,982,92
1956	588	55, 202	200,311,361	395,047,070	• •	844,835,08
1957	585	58,742	232, 166, 085	498,410,570	**	987,728,98
1958	562	57,095	237, 883, 530	502, 608, 132	**	1,031,430,82
1959	526 506	50, 269	219,874,661	433, 107, 263	469, 562, 377	926, 577, 79
1960	534	52,820	244,629,848	524, 165, 589	556, 389, 853	1,088,875,03
1961	513	50,850 49,886	243,415,160 248,228,632	494, 976, 608 519, 077, 145	516,552,881	1,031,197,94
/indsor:	010	10,000	240, 220, 032	519,011,145	542, 276, 542	1,092,499,43
1939	222	17,729	25 020 200	00 000 100		
1944	231	35,912	25,938,890 80,667,573	63,907,106 232,102,240	* *	122,474,32
1949	283	34,591	94,304,627	271, 392, 923		387, 603, 87
1955	334	25,654	101,810,378		• •	494, 162, 20
1956	336	24,091	96, 798, 387	186, 275, 443 186, 300, 126		374, 512, 41
1957	318	29,377	122, 169, 670	290, 073, 160	• •	369,790,09
1958	294	22, 295	103, 237, 036	219,764,980	184, 205, 919	533, 531, 62
1959	280	23,355	115,427,371	221, 182, 915	220, 324, 726	418, 685, 52
1960	287	22, 152	112, 225, 758	244,010,059	214,719,901	439, 252, 61
1961	282	20,351	105, 820, 857	222, 681, 753	187, 560, 159	467, 675, 62 417, 752, 35
innipeg:						
1939	648	17,571	20,717,273	44,873,043		81,024,27
1944	686	25,870	38,824,299	119, 917, 745	••	
1949	860	28,687	58, 604, 162	143, 827, 270	• •	198, 169, 62 255, 006, 80
1955	873	26, 392	75, 281, 647	152, 575, 494		291,084,61
1956	869	26,629	80, 891, 909	163, 808, 668	**	309, 520, 04
1957	856	27,039	83,809,725	166,092,377	• •	314, 229, 18
1958	748	25,867	85,034,125	169,346,502	148,589,522	321, 494, 85
1959	794	25, 864	88, 968, 328	172,048,819	165, 938, 159	340, 717, 73
1960	767	24, 689	87,508,238	166, 238, 709	165, 509, 208	334, 895, 200
1961	736	23,694	86,394,635	170,087,223	153,950,695	326, 881, 838
ancouver:						
1939	829	17, 957	22, 382, 192	56, 565, 511	• •	101, 267, 24
1944	933	43,473	79, 141, 407	142,416,371		289, 390, 718
1949	1,225	33,536	78, 793, 345	204, 642, 985		358, 620, 526
1955	1,330	34,683	120,488,180	276, 666, 483		489, 181, 44
1956	1, 299	36,052	131,540,861	299, 290, 344		534, 658, 16
1957	1,280	35,666	138, 199, 452	305, 719, 965		540, 766, 12
1958	1, 157	32,765	134, 591, 149	293,928,717	221,615,521	521,449,32
1959	1,173	32,911	139,700,859	277, 475, 428	232, 239, 093	516, 907, 552
1960	1, 189	32,059	142, 578, 640	275, 445, 595	229, 474, 007	516, 525, 735
1961	1,143	30,989	141, 169, 361	277, 891, 062	226, 443, 221	509,665,553

¹ Prior to 1952, the basis of collection was "Gross value of products".

Table 68 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Montreal, by Industrial Group and Industry, 1961

by Ind	ustrial Group and Industry, 1961					
Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nu	mber		do	llars	
Food and beverage industries: Bakeries						
Biscuit manufacturers Confectionery manufacturers Feed manufacturers Fruit and vegetable canners and preservers Miscellaneous food industries Pasteurizing plants Poultry processors Sausage and sausage casting manufacturers Slaushtering and mean packing plants	204 11 40 9 44 59 26 7 19	5,377 2,388 1,698 423 1,287 3,008 2,153 144 214 3,642	18, 347, 897 7, 208, 373 5, 328, 276 1, 949, 739 3, 753, 123 11, 216, 161 8, 817, 396 391, 574 599, 936 16, 526, 073 5, 604, 001	24,817,159 16,427,902 14,460,339 24,346,379 15,443,648 67,651,809 34,872,918 3,864,853 2,991,082	27, 970, 207 16, 829, 220 13, 056, 332 5, 202, 358 9, 645, 625 48, 835, 438 14, 782, 518 781, 145 1, 217, 498 32, 538, 893	54, 204, 472 33, 484, 069 27, 856, 055 29, 898, 219 24, 812, 870 117, 293, 161 50, 374, 392 4, 677, 332 4, 174, 439 166, 325, 013
Soft drink manufacturers All other industries¹	25 33	1,326 6,668	5, 604, 001 33, 645, 357	133,643,723 9,469,977 135,105,157	29, 440, 770 123, 363, 943	39, 475, 289 261, 614, 277
Totals	506	28, 328	113, 387, 906	483, 094, 946	323, 663, 947	814, 189, 588
Tobacco products industries:						
Totals	10	5, 161	22, 915, 264	77, 734, 185	61, 591, 704	139, 081, 968
Rubber industries:						
Totals	18	2, 124	9, 362, 579	13, 629, 417	14, 027, 980	27, 673, 798
Leather industries: Boot and shoe findings manufacturers Leather glove factories Miscellaneous leather products manufacturers Shoe factories Tannerles	14 11 79 63	485 203 2,029 6,004 151	1, 212, 624 596, 789 5, 190, 860 17, 241, 235 575, 320	2, 047, 138 786, 199 7, 635, 486 24, 177, 887	1, 850, 844 1, 188, 088 8, 448, 526 26, 234, 837	3,940,446 1,947,057 16,003,438 50,454,143
Totals	171	8, 872	24, 816, 828	683, 221 35, 329, 931	1, 019, 096 38, 741, 391	1, 737, 178 74, 082, 262
Textile industries: Canvas products industry Cotton and jute bag industry Cotton yarn and cloth mills Embroidery, pleating, hem-stitching manufacturers Fibre preparing mills Miscellaneous textiles (n.e.s.) industry Narrow fabric mills Textile dyeing and finishing plants All other industries 2 Totals	16 8 6 75 8 67 22 25 29	255 391 2,481 1,036 180 2,681 744 553 3,905	744, 834 1, 248, 160 8, 704, 784 2, 772, 207 609, 258 8, 232, 058 2, 439, 944 2, 191, 180 17, 031, 911	1. 218, 250 7, 597, 610 12, 079, 086 1, 654, 351 2, 004, 293 21, 585, 250 4, 398, 832 1, 468, 140 25, 572, 419	1,113,753 2,407,725 9,389,593 4,198,943 1,198,240 17,448,135 4,712,976 4,079,134 18,989,566	2,394,189 10,060,089 21,861,614 5,916,537 3,295,776 39,350,565 9,097,332 5,778,121 44,684,081
	256	12, 226	44, 974, 336	77, 578, 231	63, 538, 065	142, 438, 304
Knitting mills: Hosiery mills Other knitting mills	62 72	2.582 3,714	7, 173, 827 10, 100, 090	13, 467, 498 26, 262, 512	13, 412, 545 16, 714, 933	26, 287, 390 42, 551, 867
Totals	134	6, 296	17, 273, 917	39, 730, 010	30, 127, 478	68, 839, 257
Clothing industries: Children's clothing industry Fur goods industry Hat and cap industry Men's clothing contractors Men's clothing factories Miscellaneous clothing (n.e.s.) industry Women's clothing contractors Women's clothing factories All other industries³	117 231 61 73 229 36 101 392 16	5,775 1,889 1,951 2,334 9,384 666 2,467 16,556 1,211	13, 761, 166 7, 151, 414 5, 517, 618 5, 720, 674 29, 030, 247 1, 720, 837 5, 589, 623 47, 942, 984 3, 203, 608	33,594,584 22,468,024 6,750,417 540,598 71,198,799 3,354,722 671,938 105,948,824 5,192,780	22, 760, 753 11, 971, 486 9, 376, 310 6, 974, 290 45, 808, 505 2, 845, 784 7, 194, 087 84, 819, 229 6, 009, 747	56, 209, 590 34, 617, 653 16, 209, 318 7, 575, 814 116, 500, 541 6, 272, 921 7, 909, 222 189, 505, 168 10, 976, 738
	A\$ ~00	ZW, 400	113, 038, 171	249, 720, 686	197, 760, 191	445, 776, 965
Wood industries: Miscellaneous wood industries (n.e.s.) Sash and door and planing mills (excluding hard-wood flooring)	8	261	1, 225, 974	915, 994	1,570,741	2, 228, 525
Wood handles and turning All other industries	68 9 7 7	802 352 44 517	2, 820, 728 974, 395 123, 615 1, 823, 743	6, 112, 259 1, 429, 427 106, 382 3, 354, 926	4,775,680 1,495,973 176,479 3,220,499	11, 036, 303 2, 930, 981 292, 617 6, 658, 361
Totals	99	1, 976	6, 968, 455	11, 918, 988	11, 239, 372	23, 146, 787

Table 68 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Montreal, by Industrial Group and Industry, 1961 — Continued

industrial group and industry lish- Employees and wages of materials added by	elling value of factory shipments
number dollars	
Other furniture industry (14 948 3,477,596 4,062,443 5,280,198	6,900,877 38,380,089 9,471,356 27,496,534
Totals	82, 248, 856
Folding boxes and set-up boxes manufactures 27 1,862 6,638,325 13,705,379 11,699,305 Other paper converters 37 1,54 3,844,982 10,281,015 8,038,727 Paper bag manufacturers 18 1,041 3,605,314 15,284,230 5,298,146 All other industries 8 2,070 11,903,298 10,011,485 10,629,901	40, 371, 748 25, 359, 721 18, 332, 525 20, 414, 071 20, 569, 645 25, 047, 710
7 Triting and publishing	9,808,961 29,742,378 46,924,897 70,402,521 48,424,243 3,157,314
m 4.1-	208, 460, 314
Primary metal industries: Iron foundries 5 220 856,515 760,822 1,242,236 All other industries* 38 5,138 25,236,157 242,935,569 31,486,136 2	1,976,809 76,573,257
Totals	78,550,066
Hardware, tool and cutlery manufacturers 47 1,092 4,169,699 6,448,783 13,726,366 Heating equipment manufacturers 19 1,336 5,462,111 8,145,405 11,105,578 Machine shops 79 1,408 5,832,448 5,489,376 9,025,813 Metal stamping, pressing and coating industry 92 4,622 21,183,310 40,482,079 43,893,378 Ornamental and architectural metal industry 113 2,326 9,286,917 15,349,399 13,537,946 Wire and wire products manufacturers 42 3,470 16,872,807 40,744,797 24,724,824 All other industries 5 1 6,222 30,854,517 41,119,249 42,984,455	10, 239, 030 20, 145, 444 19, 393, 375 14, 588, 810 84, 519, 966 28, 996, 834 67, 027, 858 84, 808, 118
Machinery industries (except electrical machinery): Commercial refrigeration and air-conditioning equipment manufacturers. 6 153 704, 226 700,845 928,149 All other industries³ 42 4,649 20,973,324 32,429,145 37,186,488	1,807,489 67,989,0 99
Totals	69, 796, 588
Truck body and trailer manufacturers	2, 319, 682 80, 807, 756 2, 266, 886 (28, 325, 771
Totals	13, 720, 095
All other industries 10 56 16,727 83,026,918 90,919,515 118,445,789 2	24, 453, 094 11, 364, 800
Totals	35, 817, 894

TABLE 68 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Montreal. by Industrial Group and Industry, 1961 - Concluded

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nu	mber		de	ollars	
Non-metallic mineral products industries; Concrete products manufacturers Glass products manufacturers Other non-metallic mineral products industries Ready-mix concrete manufacturers Stone products manufacturers All other Industries ¹¹	56 19 5 7 12	1, 258 326 65 731 193 4, 950	4,828,730 1,081,803 321,892 3,373,878 746,976 21,834,545	7, 950, 320 1, 619, 698 635, 067 12, 306, 565 765, 640 20, 890, 182	10, 054, 775 1, 641, 365 680, 848 6, 354, 702 1, 256, 801 47, 760, 387	18, 205, 021 3, 313, 403 1, 363, 212 19, 181, 139 2, 073, 672 75, 099, 823
Totals	440					10,000,000
Tours	117	7, 523	32, 187, 824	44, 167, 472	67, 748, 878	119, 236, 270
Petroleum and coal products industries; Petroleum refining All other industries ¹² Totals	6 7 13	2,789 143 2,932	17, 158, 799 641, 911 17, 800, 710	290, 442, 398 5, 398, 358 295, 840, 756	78, 606, 062 4, 171, 266 82, 777, 328	370, 800, 382 9, 719, 533 380, 519, 915
Chemical and chemical products industries: Manufacturers of industrial chemicals Manufacturers of pharmaceuticals and medicines Manufacturers of soap and cleaning compounds Manufacturers of toilet preparations Other chemical industries Paint and varnish manufacturers All other industries	14 65 31 23 69 32	1, 137 3, 235 405 876 1, 010 2, 136 2, 045	6,798,976 14,177,171 1,574,742 3,428,389 4,198,562 9,356,793 12,471,382	10,081,630 22,798,649 4,542,331 7,018,283 10,411,942 20,153,360 23,592,324	10,831,896 51,549,444 5,930,886 15,679,604 12,599,624 22,374,886 19,245,567	21, 547, 859 73, 608, 553 10, 571, 462 22, 641, 242 23, 490, 487 42, 705, 345 43, 618, 568
Totals	249	10, 844	52, 006, 015	98, 598, 519	138, 211, 907	238, 183, 516
						200, 100, 010
Miscellaneous manufacturing industries: Artificial flowers and feathers manufacturers Broom, brush and mop industry Button, buckle and fastener industry Candle manufacturers Clock and watch manufacturers Dental laboratories Instrument and related products manufacturers Jewellery and silverware manufacturers Model and pattern manufacturers Ophthalmic goods manufacturers Ophthalmic goods manufacturers Othopedic and surgical appliance manufacturers Other miscellaneous industries Plastic fabricators, n.e.s. Signs and displays industry Spotting goods industry Stamp and stencil (rubber and metal) manufacturers Statuary, art goods, regalia and novelty manufactures Toys and games industry Venetian blind manufactures All other industries ¹⁴ Totals	19 26 28 6 9 9 90 21 74 14 13 4 10 52 41 11 11 14 26 9 9 14 30	212 376 842 175 114 239 1,672 979 90 71 23 540 1,067 493 222 175 227 659 93 1,382 9,651	511, 958 983, 763 2, 263, 420 64, 986 405, 271 924, 510 7, 945, 823 3, 227, 304 197, 118 102, 949 1, 699, 468 3, 709, 852 2, 024, 446 698, 241 666, 703 621, 891 1, 635, 347 301, 024 4, 758, 892 33, 671, 892	544, 137 1, 768, 971 3, 462, 571 1, 046, 328 437, 727 15, 036, 315 5, 687, 853 282, 522 43, 791 2, 530, 730 10, 239, 802 1, 742, 055 1, 281, 478 419, 863 401, 337 2, 940, 500 668, 524 4, 927, 427 54, 549, 793	1, 016, 053 1, 517, 539 4, 022, 963 1, 446, 704 692, 293 1, 190, 512 10, 313, 859 5, 288, 844 311, 376 200, 500 3, 800, 552 9, 521, 594 3, 170, 856 916, 269 1, 045, 399 815, 248 3, 591, 251 3, 591, 251 8, 534, 833 58, 630, 875	1, 528, 947 3, 293, 499 7, 527, 251 2, 389, 862 1, 823, 405 1, 641, 493 26, 512, 837 10, 949, 334 675, 350 598, 074 248, 235 6, 266, 130 19, 986, 848 4, 977, 327 2, 219, 577 1, 487, 614 1, 222, 734 6, 703, 515 1, 365, 238 13, 911, 171 115, 332, 431
Grand totals, Metropolitan Montreal	5, 060	244, 568	985, 810, 040	2, 367, 787, 395	1, 837, 156, 447	4, 231, 862, 018
			, , , , , ,	., ., , , , , , , , , ,	2,001,100,121	x, ~01, 00¢, U18
1 Includes: Animal ails and form aloute to the land						

¹ Includes: Animal oils and fats plants, 1; breakfast cereal manufacturers, 2; breweries, 4; butter and cheese plants, 5; condenseries, 1; distilleries, 2; flour mills, 3; ice cream manufacturers, 3; macaroni manufacturers, 4; process cheese manufacturers, 3; sugar refineries, 2; vegetable oil mills, 2; wineries, 1.
¹ Includes: Automobile fabric accessory manufactures, 4; carpet, mat and rug industry, 2; linoleum and coated fabrics industry, 7; pressed and punched felt mills, 1; synthetic textile mills, 4; thread mills, 8; wool cloth mills, 1; wool yarn mills, 2.
³ Includes: Fabric glove manufacturers, 1; foundation garment industry, 15.
⁴ Includes: Coffin and casket industry, 2; copperage, 1; hardwood flooring, 1; veneer and plywood mills, 1; woodenware, 2.
⁵ Includes: Asphalt roofing manufacturers, 5; pulp and paper mills, 3.
⁶ Includes: Aluminum rolling, casting and extruding, 5; copper and alloy rolling, casting and extruding, 14; iron and steel mills, 2; metal rolling, casting and extruding, 13; smelting and refining, 1; steel pipe and tube mills, 3.
ㆍ Includes: Fabricated structural metal industry, 11; miscellaneous metal fabricating industries, 40.
⁶ Includes: Agricultural implement industry, 2; miscellaneous machinery and equipment manufacturers, 37; office and store machinery manufacturers, 3.

Includes: Agricultural implement industry, 2, indectraction manufacturers, 3; motor vehicle manufacturers, 1; shipbuilding and repair, 4.

Includes: Battery manufacturers, 1; communications equipment manufacturers, 21; manufacturers of electrical industrial equipment, 9; manufacturers of electric wire and cable, 4; manufacturers of household radio and television receivers, 10; manufacturers of small electrical appliances, 7.

Includes: Abrasives manufacturers, 1; asbestos products manufacturers, 2; clay products manufacturers (from domestic clays), 3; clay products manufacturers (from imported clays), 1; glass manufacturers, 4; gypsum products manufacturers, 2; refractories manufacturers.

nufacturers, 2.

12 Includes: Manufacturers of lubricating oils and greases, 2; other petroleum and coal products, 5.

13 Includes: Manufacturers of mixed fertilizers, 2; manufacturers of plastics and synthetic resins, 4; manufacturers of printing inks, 7.

14 Includes: Artificial ice manufacturers, 1; fountain pen and pencil manufacturers, 5; fur dressing and dyeing industry, 6; hair goods manufacturers, 3; musical instruments and sound recording industries, 7; smokers' supplies manufacturers, 1; typewriter supplies manufacturers, 3; umbrella

TABLE 68 B. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Montreal, by Municipality, 1961

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nun	nber		do	llars	
Boucherville Chomedy Chomedy Dorion Dorion Dorion Greenfield Park fie-Perrot Jacques-Cartier Lachine Laflèche La Prairie LaSaile LaSaile Laval-des-Rapides Longueuil Montreal East Montreal Montreal Montreal Montreal Fast Montreal Fast Montreal Fast Morter Montreal Montreal Seat Montreal Seat Montreal Seat Montreal Fast Montreal Seat Montreal Montreal Montrea	6 19 14 16 6 5 5 28 8 6 18 57 20 38 8 3,802 36 100 66 119 16 4 20 26 119 17 139 8 322 71 1 36 139	277 255 298 514 106 20 3,619 31,774 58 463 5,227 219 1,333 165,385 6,538 6,538 6,538 1712 27 786 339 545 28 1772 928 18,546 65 3,006 65 3,006 65 3,008 1,309 1,309 1,309 1,319	83, 363 845, 484 686, 924 2, 550, 515 420, 259 41, 152 17, 542, 559, 5875 23, 866, 930 536, 889 4, 416, 408 632, 333, 473 33, 214, 274 6, 507, 748 29, 288, 029 10, 868, 218 1, 040, 502 2, 209, 590 3, 733, 043 1, 040, 502 2, 209, 590 3, 160, 661 90, 317, 289 2, 21, 189 2, 21, 189 2, 21, 189 2, 21, 189 2, 21, 189 2, 21, 189 2, 21, 321 5, 16, 661 90, 317, 289 2, 291, 872 10, 673, 662 2, 1, 873, 684 4, 401, 348 5, 898, 078 7, 970, 314 34, 471, 165	164, 646 1, 949, 724 1, 181, 388 3, 281, 836 636, 049 27, 313, 185 88, 342, 756 477, 662 2, 818, 909 81, 302, 671 1, 276, 836 1, 209, 756, 397 476, 245, 771 12, 765, 866 89, 293, 891 26, 351, 834 1, 53, 953 9, 448, 576 1, 971, 803 4, 711, 401 1, 500, 345 1, 342, 140 6, 365, 048 145, 008, 215 25, 630, 926 145, 703 11, 571, 505 111, 064, 602	107, 234 1,590,707 1,061,766 5,793,213 1,225,038 5,7,909 21,019,441 94,306,467 446,300 2,806,191 88,282,979 1,194,323 5,662,932 1,087,201,434 115,221,415 10,953,566 21,640,646 21,640,646 1,121,193 14,037,037 4,610,045 1,434,105 957,263 5,266,456 149,675,372 2,566,456 149,675,372 4,562,171 677,812 9,042,813 10,239,779 17,248,526 63,215,165	279, 899 3, 445, 395 2, 202, 901 8, 962, 149 1, 863, 984 41, 19, 104 46, 903, 919 182, 262, 761 964, 565 5, 635, 832 170, 746, 640 1, 808, 465 12, 157, 935 2, 314, 989, 772 23, 988, 672 23, 988, 672 247, 920, 504 267, 114 22, 853, 762 4, 256, 025 9, 335, 655 300, 343 2, 366, 737 11, 897, 757 293, 965, 680 91, 55, 599 11, 175, 582 20, 966, 470 19, 121, 954 28, 935, 329 176, 008, 784
Totals	5,060	244, 568	985, 810, 040	2, 367, 787, 395	1, 837, 156, 447	4,231,862,018

¹ Includes: Anjou; Baie-d'-Urfé; Beaconsfield; Brossard; Candiac; Charlemagne; Châteauguay; Châteauguay Centre; Côte-St-Luc; Delson; Duwerlay; Hampstead; Indian Reserves; Laval West; Le Moyne; Montreal West; Notre-Dame; Notre-Dame-de-l'Île-Perrot; Pointe-aux-Trembles; Repentingy; Roxboro; Ste-Anne-de-Bellevue; Ste-Anne-de-Boul-de-l'Île; Ste-Bruno-de-Montarville; Ste-Catherine-d'Alexandrie-de-Laprairie; St-Elzéar; St-Eustache-sur-le-lac; St-François; Ste-Geneviève; St-Hubert; St-Pierre; St-Vincent-de-Paul.

TABLE 69 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Toronto, by Industrial Group and Industry, 1961

Biscuit manufacturers							
Food and beverage industries: 230	Industrial group and industry	lish-	Employees		of materials	added by	of factory
Bakeries 230 6,333 23,123,752 34,159,106 39,947,134 75,881,194 Biscuit manufacturers 8 1,369 4,635,845 9,492,784 13,725,980 23,364,922 Brewerles 5 1,198 6,889,753 11,760,189 40,909,026 51,410,505 Butter and cheese plants 7 61 195,806 1,610,889 38,7477 2,033,588 Confectionery 39 3,411 11,304,885 31,683,111 31,544,448 63,373,984 Distilleries 5 368 1,811,973 7,102,790 8,514,148 15,802,538 Feed manufacturers 26 557 2,424,430 19,717,325 7,172,760 27,988,867 Miscellaneous food manufacturers 31 3,140 14,206,927 39,664,075 23,458,31 34,207,93 94,879,321 Poultry processors 6 107 503,119 4,000,765 818,314 4,845,018 Sausage and sausage casing manufacturers 17 301 1,230,287 5,644,979 <t< td=""><td></td><td>nur</td><td>nber</td><td></td><td>do</td><td>llars</td><td></td></t<>		nur	nber		do	llars	
Totals 16 4,010 19,187,700 34,946,938 37,262,152 75,263,118 Leather industries: Misscellaneous leather products manufacturers 42 1,086 3,039,528 4,001,260 4,808,378 8,787,677 Shoe factories 38 1,917 5,423,447 7,762,079 8,173,782 15,948,168 All other industries² 10 743 2,758,396 7,902,852 3,521,711 11,436,293	Bakeries Biscult manufacturers Breweries Butter and cheese plants Confectionery Distilleries Feed manufacturers Miscellaneous food manufacturers Pasteurizing plants Poultry processors Sausage and sausage casing manufacturers Soft drink manufacturers All other industries ¹	8 5 7 39 5 26 55 31 6 17 21 90	1,369 1,198 61 3,411 368 557 2,869 3,140 107 301 1,221 8,667	4,635,845 6,889,753 195,806 11,304,885 1,811,973 2,424,430 13,552,587 14,206,927 503,119 1,230,287 5,712,554 40,122,964	9, 492, 784 11, 760, 189 1, 610, 889 31, 683, 111 7, 102, 790 19, 717, 325 60, 939, 235 39, 664, 075 4, 000, 765 5, 564, 979 6, 646, 148 292, 991, 731	13, 725, 980 40, 909, 026 387, 477 31, 544, 448 7, 172, 760 33, 420, 732 23, 462, 177 818, 314 2, 537, 300 15, 981, 868 89, 863, 154	75, 881, 194 23, 364, 920 51, 410, 509 2, 033, 589 63, 373, 984 15, 802, 538 27, 098, 867 94, 879, 321 64, 203, 654 4, 845, 019 8, 198, 244 22, 479, 902 384, 811, 264 838, 383, 010
Totals 16 4,010 19,187,700 34,946,938 37,262,152 75,263,118 Leather industries: Misscellaneous leather products manufacturers 42 1,086 3,039,528 4,001,260 4,808,378 8,787,677 Shoe factories 38 1,917 5,423,447 7,762,079 8,173,782 15,948,168 All other industries² 10 743 2,758,396 7,902,852 3,521,711 11,436,293							
Leather industries: Miscellaneous leather products manufacturers 42 1,086 3,039,528 4,001,260 4,808,378 8,787,675 Shoe factories 38 1,917 5,423,447 7,762,079 8,173,782 15,948,168 All other industries ² 10 743 2,758,396 7,902,852 3,521,711 11,436,295	Rubber industries:						
Miscellaneous leather products manufacturers 42 1,086 3,039,528 4,001,260 4,808,378 8,787,672 Shoe factories 38 1,917 5,423,447 7,762,079 8,173,782 15,948,168 All other industries² 10 743 2,758,396 7,902,852 3,521,711 11,436,293	Totals	16	4, 010	19, 187, 700	34, 946, 938	37, 262, 152	75, 263, 118
Totals 90 3,746 11,221,371 19,666,191 16,503,871 36,172,133	Miscellaneous leather products manufacturers	38	1,917	5,423,447	7,762,079	8, 173, 782	8,787,672 15,948,168 11,436,293
	Totals	90	3,746	11, 221, 371	19, 666, 191	16, 503, 871	36, 172, 133

TABLE 69 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Toronto, by Industrial Group and Industry, 1961 — Continued

by Industria	I Group a	nd Industr	y, 1961 - Co	ntinued		
Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nu	mber		do	ollars	L
Textile industries: Canvas products industry Cotton and jute bag industry Embroidery, pleating, hemstitching manufacturers Fibre preparing mills Miscellaneous textiles (n.e.s.) industry Narrow fabric mills Textile dyeing and finishing plants All other industries ³	28 6 30 8 61 9 12 37	412 131 345 245 1,109 138 237 3,077	1, 120, 057 470, 670 1, 040, 411 904, 831 3, 595, 453 398, 561 890, 368 11, 880, 710	2,996,388 3,310,743 475,841 2,913,353 8,523,091 557,177 383,072 28,577,463	2, 123, 946 625, 531 1, 599, 854 1, 524, 208 7, 930, 856 838, 709 1, 512, 110 18, 252, 814	5, 149, 485 3, 994, 013 2, 098, 196 4, 734, 212 16, 262, 129 1, 409, 208 1, 980, 494 47, 792, 180
Totals	191	5, 694	20, 301, 061	47, 737, 128	34, 408, 028	83, 419, 917
Knitting mills: Hosiery mills Other knitting mills Totals	21 44 65	938 2,071 3,009	2, 483, 904 5, 999, 251 8, 483, 155	4, 188, 786 11, 545, 337 15, 734, 123	4, 233, 992 10, 553, 956 14, 787, 948	8, 424, 819 22, 125, 221
			9 100, 100	201 (02) 200	12, 101, 320	30, 550, 040
Clothing industries: Children's clothing industry Fur goods industry Hat and cap industry Men's clothing contractors Men's clothing factories Miscellaneous clothing (n.e.s.) industry Women's clothing factories Women's clothing factories All other industries*	30 116 38 12 93 13 14 152 13	1,341 903 776 205 5,947 301 458 5,113 1,032	3,046,265 3,739,978 2,301,438 553,257 17,604,826 884,783 1,035,839 15,936,203 2,916,998	5, 216, 333 9, 560, 012 2, 647, 723 99, 184 25, 329, 169 1, 395, 457 159, 698 25, 339, 599 4, 520, 239	4,613,569 6,127,842 3,457,536 640,575 24,524,117 1,459,280 1,203,024 25,507,357 5,930,526	9,671,910 15,616,876 6,119,698 745,426 47,953,203 2,774,304 1,428,262 50,572,613 10,312,800
Totals	481	16, 076	48, 019, 587	74, 267, 414	73, 463, 826	145, 195, 092
Wood industries: Miscellaneous wood industries, n.e.s. lash and door and planing mills (excluding hardwood flooring) ¹⁵ All other industries ⁵ Totals ¹⁵	13 70 22 105	132 1, 308 818 2, 258	407, 421 5, 223, 113 2, 931, 739 8, 562, 273	403, 281 12, 346, 074 3, 201, 667 15, 951, 022	719, 456 8, 851, 736 4, 083, 649 13, 654, 841	1, 137, 238 21, 223, 307 7, 569, 758 29, 930, 303
Furniture and fixture industries: Electric lamp and shade industry Household furniture industry Office furniture industries Other furniture industries Totals	18 276 8 92 394	510 3,630 211 2,404 6,755	1, 431, 958 13, 365, 408 736, 402 9, 247, 199 24, 780, 967	2, 573, 689 26, 165, 614 864, 363 18, 628, 533 48, 232, 199	2, 632, 658 21, 618, 266 1, 283, 740 18, 361, 237 43, 895, 901	5, 247, 670 48, 136, 142 2, 193, 707 37, 001, 532 92, 579, 051
Paper and allied industries: Corrugated box manufacturers Folding box and set-up box manufacturers Other paper converters Pulp and paper mills All other industries ⁶ Totals	9 38 73 6 17	1, 449 2, 754 4, 468 1, 444 880	6, 599, 704 10, 660, 085 19, 478, 093 9, 656, 563 3, 546, 207 49, 940, 652	21, 090, 556 26, 507, 182 39, 084, 967 13, 535, 536 11, 276, 267 111, 494, 508	11, 081, 064 17, 312, 126 35, 326, 291 11, 920, 792 8, 329, 701 83, 969, 974	32, 342, 264 43, 651, 695 74, 357, 069 27, 320, 781 19, 288, 428 196, 960, 237
Printing, publishing and allied industries: Engraving and duplicate plates Lithographing Printing and bookbinding Printing and publishing Publishing only Trade composition or typesetting Totals	55 118 368 48 147 16	1, 613 4, 533 7, 290 7, 775 1, 479 684 23, 374	10, 180, 463 21, 004, 830 32, 443, 001 44, 196, 842 6, 056, 383 3, 772, 753 117, 654, 272	3, 615, 650 30, 107, 635 34, 277, 518 31, 048, 812 11, 686, 626 284, 837 111, 021, 078	14, 074, 343 37, 474, 867 53, 562, 982 80, 515, 914 15, 325, 609 5, 370, 738 206, 324, 453	17, 876, 103 67, 794, 873 87, 921, 173 112, 478, 152 26, 691, 645 5, 687, 625 318, 449, 571
Primary metal industries: Iron foundries Metal rolling, casting and extruding, n.e.s. All other industries?	11 22 27	972 990 2, 333	4, 513, 524 4, 616, 291 11, 518, 250	5, 204, 848 22, 252, 709 33, 691, 764	8, 201, 567 8, 629, 223 20, 026, 200	14, 796, 563 31, 121, 674 54, 713, 323
Totals	60	4, 295	20, 648, 065	61, 149, 321	36, 856, 990	100, 631, 560

Table 69 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Toronto, by Industrial Group and Industry, 1961 — Continued

Industrial group and industry	Estab- lish-	Employees	Salaries	Cost at plant of materials	Value	Selling value
	ments	Employees	and wages	used	added by manufacture	of factory shipments
	nu	mber		doll	lars	
detal fabricating industries (except machinery and transportation equipments industries):						
Boiler and plate works Fabricated structural metal industry Hardware, tool and cutlery manufacturers	11 14	506 2,757 1,925	2, 468, 409 14, 295, 603 8, 780, 822	3, 596, 253 26, 378, 027	3,678,472 25,480,995	7,545,2 52,214,7
Heating equipment manufacturers	88 32	1, 369	0, 201, 881	8,679,141 11,216,907 3,863,741	15, 252, 644 13, 182, 426	23,962,3 24,830,8
Machine shops Metal stamping, pressing and coating industry	113 140	1, 230 6, 608	4,959,493 29,313,629	59.136.559	13, 182, 426 6, 930, 896 58, 794, 943	11,035,2 118,257,7
Miscellaneous metal fabricating industries Ornamental and architectural metal industry Wire and wire products manufacturers	102 107	4,078 2,979 1,945	17, 310, 329 13, 274, 056	24,815,523 21,005,401	33, 832, 131 22, 918, 214	60,835,9 44,841,7
Totals	53 660	23, 397	9, 164, 732 105, 768, 954	17, 955, 518	14, 691, 659	32, 992, 2
	000	NO, 30 I	103, 106, 934	176, 647, 070	194, 762, 380	376, 516, 1
Sachinery industries (except electrical machinery): Commercial refrigeration and air conditioning equip-						
ment manufacturers	6 120	308 5,970	1,406,840 28,367,712 35,192,932	1,789,166 44,656,988	2,398,142 46,405,475	4,200,3 90,449,7
All other industries	15	6,954		58, 960, 456	56,555,012	114, 482, 3
Totals	141	13, 232	64, 967, 484	105, 406, 610	105, 358, 629	209, 132, 4
ransportation equipment industries; Boatbuilding and repair	. 8	91	299, 108	286,930	202 207	E00.5
Boatbuilding and repair Motor vehicle parts and accessories manufacturers Truck body and trailer manufacturers	34	2, 366 832	10.098.188	18,840,535 7,215,612	302,507 19,161,742	568, 7 38, 623, 5
All other industries	14 26	13, 178	3, 704, 113 69, 627, 774	226, 051, 389	5, 351, 130 137, 978, 489	12,721,1 357,956,6
Totals ¹⁵	82	16, 467	83, 729, 183	252, 394, 466	162, 793, 868	409, 870, 1
electrical products industries: Comminications equipment manufacturers	46	5,052	20,871,589	26,619,597	30,993,982	56, 316, 3
Manufacturers of electrical industrial equipment Manufacturers of household radio and television	36	5, 399	26, 761, 727	33, 907, 948	41, 493, 766	74, 250, 9
Manufacturers of major appliances (electric and non-	8	2,486	10,724,309	26, 178, 093	18,626,283	45,063,7
Manufacturers of miscellaneous electrical products	12 58	3,036 4,406	13, 957, 772 18, 493, 349	35, 915, 515 35, 014, 167	28, 685, 375 38, 774, 511	65,820,3 73,899,6
Manufacturers of small electrical appliances All other industries ¹⁰	28 9	1, 497 2, 516	5, 952, 864 12, 308, 029	15, 429, 693 35, 165, 916	13,665,482 22,716,707	28, 892, 4 56, 194, 3
Totals	197	24, 392	109, 069, 639	208, 230, 929	194, 956, 106	400, 437, 8
on-metallic mineral products industries: Clay products manufacturers (from domestic clays)	11	789	3, 159, 919	1,423,855	6,878,966	9,703,3
Clay products manufacturers (from domestic clays) Concrete products manufacturers ¹⁵ Glass products manufacturers Ready-mix concrete manufacturers	59 39	1,305 1,010	5, 470, 316	8, 640, 345	10,772,542 7,271,986	19,840,0 15,189,7
Ready-mix concrete manufacturers Stone products manufacturers	9	674 151	4, 282, 427 3, 732, 903 680, 819	7,479,801 13,727,048 698,731	5, 695, 398 876 , 555	19,938,8
Stone products manufacturers All other industries ¹¹	19	2, 406	12, 495, 954	11,743,809	26,737,555	40,837,0
Totals ¹⁵	151	6, 335	29, 822, 338	43, 713, 589	58, 233, 002	107, 149, 4
etroleum and coal products industries:12						
Totals	16	3, 840	24, 710, 581	111,060,173	28, 049, 782	141, 821, 1
nemical and chemical products industries; Manufacturers of industrial chemicals	15	649	3,620,988	5,538,279	7,389,013	13, 560, 1
Manufacturers of plastics and synthetic resins Manufacturers of pharmaceuticals and medicines	7 46	242 2,697	1, 248, 957 10, 853, 158	7, 234, 138 16, 096, 756	3, 084, 879	10, 421, 7 52, 059, 5
Manufacturers of printing inks	15 34	704 2,419	3,438,086	5,825,093 39,878,032	7, 121, 207 46, 573, 827	13,006,9 88,268,8
Manufacturers of toilet preparations Other chemical industries, n.e.s.	34 93	1, 286 1, 840	4,596,019 8,206,794 9,775,031	10,810,976 28,793,040	22, 298, 398	33, 450, 4 53, 039, 9
Paints and varnish manufacturers All other industries ¹³	40	2,066	9, 775, 031 607, 487	32, 146, 784 3, 435, 692	24,414,730 30,727,729 1,684,617	63, 306, 0 5, 429, 0
Totals	288	12, 030	54, 996, 337	149, 758, 790	179, 293, 214	332, 542,

TABLE 69 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Toronto. by Industrial Group and Industry, 1961 - Concluded

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nur	nber		do	ollars	1
Miscellaneous manufacturing industries: Broom, brush and mop industry Clock and watch manufacturers Dental laboratories Fountain pen and pencil manufacturers Hair goods manufacturers Jewellery and silverware manafacturers Model and pattern manufacturers Orthopedic and surgical appliance manufacturers Other miscellaneous industries Plastic fabricators, n.e.s. Signs and display industry Sporting goods industry Statuary, art goods, regalia and novelty manu-	12 12 64 6 5 93 27 10 19 75 97 23 20	361 377 463 419 34 2,220 422 162 370 2,039 1,480 1,569	1,138,059 1,312,349 1,791,522 1,608,974 89,235 8,145,49 1,767,645 548,893 1,219,584 6,943,186 6,234,527 7,063,453 1,497,686	1,736,310 4,580,866 755,070 2,598,892 95,568 18,964,233 1,102,354 520,422 2,454,965 12,510,085 6,570,11 12,214,907 753,169	2,104,620 4,321,677 2,696,345 3,208,640 109,106 13,101,797 3,493,218 1,023,744 1,948,956 11,774,771 10,520,741 15,347,901 1,892,678	3,768,158 8,701,509 3,477,987 5,770,447 204,502 31,950,530 4,522,154 1,495,381 4,439,654 24,255,337 17,146,873 26,899,564 2,699,836
facturers Toys and games industry Typewriter supplies manufacturers Venetian blind manufacturers All other industries ¹⁴	28 34 5 11 75	351 1,733 336 46 5,362	1,148,097 4,760,228 1,229,399 116,059 25,444,178	1,290,712 9,362,198 2,909,605 235,636 36,533,025	1,869,143 8,702,788 2,196,423 236,715 48,426,837	3,163,525 18,246,014 5,144,241 482,749 84,968,061
Totals Grand totals, Metropolitan Toronto ¹⁵	616 4, 988	18, 113 227, 620	72, 058, 565 999, 637, 066	115, 188, 131 2, 227, 932, 807	132, 976, 100 1, 925, 835, 644	247, 338, 522 4, 172, 342, 426

¹ Includes: Tobacco products industries group, 4; animal oils and fats plants, 4; breakfast cereal manufacturers, 3; flour mills, 4; fruit and vegetable canners and preservers, 26; ice cream manufacturers, 7; macaroni manufacturers, 7; process cheese manufacturers, 2; slaughtering and meat packing plants, 26; sugar refineries, 1; vegetable oil mills, 3; wineries, 3.

² Includes: Boot and shoe findings manufacturers, 2; leather glove factories, 3; leather tanneries, 5.

³ Includes: Automobile fabric accessory manufacturers, 10; carpet, mat and rug industry, 2; cordage and twine industry, 1; cotton yarn and cloth mills, 4; linoleum and coated fabrics industry, 4; pressed and punched felt mills, 5; synthetic textile mills, 3; thread mills, 3; wool cloth mills,

TABLE 69 B. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Toronto, by Municipality, 1961

Municipality ¹	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nur	nber		dol	lars	
Toronto (city proper) Ajax Ajax Etoblocke Township Forest Hill Leaside Long Branch Markham Markham Township Milton Milton Mimico New Toronto Richmond Hill Scarborough Township Stouffville Streetsyille Streetsyille Streetsyille Streetsyille Weston Woodbridge York Township Woodbridge York Township York East Township York North Township All others All others Totals Totals	2,765 37 436 10 10 15 15 13 26 17 38 30 30 340 7 17 19 105 208 488 147 4,988	116,043 1,785 18,770 6,599 864 2254 229 691 1,265 6,063 409 13,652 140 648 648 1,276 8,960 23,823 8,245 227,620	498, 275, 086 6, 928, 741, 82, 382, 166 178, 474 29, 753, 955 3, 508, 233 813, 863, 968, 953 3, 059, 954 4, 829, 436 32, 728, 289 1, 613, 197 57, 778, 198 370, 516 2, 712, 070 6, 102, 485 42, 640, 512 211, 622, 961 463, 339 44, 612, 147 20, 332, 386 104, 946, 882 43, 034, 712 999, 637, 066	1,010,974,767 16,187,525 175,220,687 252,389 90,259,912 9,016,292 1,852,801 1,720,706 5,374,425 10,871,307 87,525,683 4,890,817 108,916,864 4,890,817 108,916,864 10,733,060 123,526,132 20,172,442 1,354,465 90,474,415 39,033,211 181,828,789 262,024,156 2,227,932,807	847, 316, 032 13, 391, 037 179, 777, 972 244, 603 48, 608, 607 9, 209, 499 2, 545, 084 1, 861, 675 5, 539, 538 9, 712, 341 77, 558, 091 3, 088, 719 113, 537, 693 482, 143 5, 165, 375 10, 018, 859 84, 235, 353 21, 092, 674 1, 278, 935 97, 656, 519 44, 163, 682 218, 124, 513 131, 226, 712	1,873,844,84 30,092,88 356,611,64 356,611,64 108,014,34 17,819,57 4,513,25 3,676,83 11,186,32 20,585,22 167,982,44 8,034,67 23,651,31 10,939,86 20,449,45 212,261,65 41,418,38 2,710,717 187,897,95 31,954,56 390,889,30 4,172,342,426

^{1;} wool yarn mills, 4.

4 Includes; Fabric glove manufacturers, 1; foundation garment industry, 12.

5 Includes: Coffin and casket industry, 2; cooperage, 1; hardwood flooring, 2; veneer and plywood mills, 1; wooden box factories, 10; wooden-

Includes: Coffin and casket industry, 2; cooperage, 1; hardwood flooring, 2; veneer and plywood mills, 1; wooden box factories, 10; woodenware, 2; wood handles and turning, 4;

Includes: Asphalt roofing manufacturers, 1; paper bag manufacturers, 16.

Includes: Aluminum rolling, casting and extruding, 12; copper and alloy rolling, casting and extruding, 13; steel pipe and tube mills, 2.

Includes: Adjrect and parts manufacturers, 19; miscellaneous vehicle manufacturers, 2; motor vehicle manufacturers, 1; railroad rolling stock industry, 2; shipbullding and repair, 2.

Includes: Battery manufacturers, 5; manufacturers of electric wire and cable, 4.

Includes: Abrasivemanufacturers, 2; sabestos products manufacturers, 2; ement manufacturers, 1; clay products manufacturers (from imported clays), 1; glass manufacturers, 2; asbestos products manufacturers, 2; ement manufacturers, 4; refractories manufacturers, 5.

Includes: Manufacturers of lubricating oils and greases, 7; other petroleum and coal products industries 6; petroleum refining, 3.

Includes: Explosives and amunifion manufacturers, 1; munifacturers of mixed fertilizers, 3.

Includes: Attificial flowers and feathers manufacturers, 3; attificial ice manufacturers, 3; button, buckle and fastener industry, 3; candle manufacturers, 1; for dressing and dyeing industry, 2; instrument and related products manufacturers, 3; musical instrument industry and sound recording industry, 9; ophthalmic goods manufacturers, 7; smokers' supplies manufacturers, 3; umbrella manufacturers, 1.

Data for townships exclude those for any incorporated cities, towns and villages located in them and listed separately.
 Includes: Oakville; Pickering; Port Credit; Pickering Township; Trafalgar Township; Vaughan Township.
 Revised since publication in The Manufacturing Industries of Canada, Geographical Distribution, 1961 (DBS Catalogue No. 31=209)

Table 70 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Hamilton, by Industrial Group and Industry, 1961

			Industry, 196			
Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
T	nu	mber		dol	lars	
Food and beverage industries: Bakeries Confectionery manufacturers	53	1, 272	4, 302, 098	4,089,613	5, 856, 209	10 950 20
Confectionery manufacturers Feed manufacturers	6 7	325	4, 302, 098 914, 832	1,944,171	2,848,836	10, 279, 36 4, 911, 94
Fiult and vegetable canners and preservors	14	1, 390	119,720 4,243,622	864, 286 12, 012, 912	179, 348 6, 385, 473	1,063,88 18,180,04
Pasteurizing plants Soft drink manufacturers	8 5	765 133	3, 434, 896 554, 057	7,712,811 858,425	4,506,826	12, 474, 42
All other industries*	33	1, 337	4,803,339	39, 115, 360	1,876,910 9,443,904	2,803,35 48,783,43
Totals	126	5, 256	18, 372, 564	66, 597, 578	31,097,506	98, 496, 45
Textile industries: Canvas products industry	4	74	020 024	200 010		
Canvas products industry Cotton yarn and cloth mills All other industries ²	3	796	239,034 2,418,702	263, 613 5, 140, 906	359,733 4,304,769	621,53 9,730,94
	12	667	2, 219, 258	4,766,505	4, 273, 963	9, 231, 06
Totals	19	1,537	4,876,994	10, 171, 024	8, 938, 465	19,583,54
Clothing industries: Fur goods industry	5	21	79,060	115, 111	173, 482	271,077
Men's clothing factories All other industries	5 7	646 54	1,789,444 107,689	1,968,658 101,979	2, 502, 146 165, 475	4, 605, 48 267, 20
Totals	17	721	1,976,193	2,185,748	2,841,103	5,143,76
Wood industries: Sash and door and planing mills (excluding hard-						
wood flooring) Wooden box factories	10	467	1,628,968	2, 166, 869	2, 107, 327	4,332,52
All other industries	6 5	96 124	287,700 380,608	423, 228 526, 281	533,961 566,606	961, 16 1, 128, 75
Totals	21	687	2, 297, 276	3, 116, 378	3,207,894	6,422,43
Furniture and fixture industries:						
Household furniture industry	33	102	333,719	261,084	456,658	722, 229
All other industries ⁵	10	211	893,608	796,010	1,687,882	2, 528, 710
Totals	43	313	1,227,327	1,057,094	2, 144, 540	3, 250, 93
Paper and allied industries:						
Totals	18	1,705	7, 474, 615	23, 528, 412	14, 472, 807	37,983,226
Printing, publishing and allied industries:						
Engraving and duplicate plates	10 52	176 377	1,001,440 1,582,856	254, 315	1, 355, 681 2, 504, 397	1,630,617
All other industries ⁷	17	824	3, 932, 089	1, 447, 345 3, 732, 344	8, 412, 994	3, 983, 619 12, 202, 636
Totals	79	1,377	6, 516, 385	5,434,004	12, 273, 072	17,816,87
Metal fabricating industries (except machinery and						
transportation equipment industries): Hardware, tool and cutlery manufacturers	20	535	2, 509, 552	2, 142, 930	4, 856, 481	7,047,14
Machine shops	19 33	128 2, 301	531,099 11,902,075	281, 530	744.887	1,039,730
Wire and wire products manufacturers	17	2,615	13, 534, 200	29, 427, 577 36, 579, 095	18,052,340 19,807,155	49, 248, 12: 57, 595, 720
All other industries ⁸	39 128	1, 144 6, 723	5, 238, 678 33, 715, 604	9, 658, 066 78, 089, 198	10, 504, 148 53, 965, 011	20, 090, 828 135, 021, 541
				10,000,200	55,555,512	200, 001, 041
fachinery industries (except electrical machinery): Totals	24	4,035	20, 362, 166	24,361,562	30, 610, 202	56,922,471
Electrical products industries: 10						
Totals	20	5,777	29, 544, 519	35,705,795	58,743,550	97,876,502
Tan make War minaral anadysta to be to						
Ton-metallic mineral products industries: Clay products manufacturers (from domestic clays)	7	315	1, 232, 104	439,522	2, 245, 466	3, 383, 553
Concrete products manufacturers All other industries ¹¹	11 19	357 1,957	1,663,580 8,348,066	1,880,580 9,327,782	3, 362, 798 15, 479, 668	5, 374, 163 25, 668, 932
Totals	37	2, 629	11, 243, 750	11,647,884	21, 087, 932	34, 426, 648
			,,	,021,002	-15001500W	0 1, 100, 040

TABLE 70 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Hamilton, by Industrial Group and Industry, 1961 - Concluded

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nu	mber		do	llars	
Chemical and chemical products industries: Other chemical industries, n.e.s	18 16	444 1,452	2, 241, 186 8, 839, 778	9, 911, 773 41, 115, 071	6, 490, 703 38, 785, 518	16, 284, 696 81, 783, 409
Totals	34	1, 896	11, 080, 964	51, 026, 844	45, 276, 221	98, 068, 105
Miscellaneous manufacturing industries: Dental laboratories Signs and displays industry Stamp and stencil (rubber and metal) manufacturers All other industries ¹³	8 17 4 32	40 148 93 840	164, 503 574, 196 405, 659 2, 984, 111	66, 651 553, 351 181, 769 5, 106, 170	209, 127 1, 041, 814 534, 402 6, 282, 520	277, 956 1, 625, 008 702, 921 11, 304, 104
Totals	61	1, 121	4, 128, 469	5, 907, 941	8, 067, 863	13, 909, 989
All other major groups:14						
Totals	50	20, 776	113, 313, 068	241, 021, 741	283, 785, 222	543, 677, 767
Grand totals, Metropolitan Hamilton	677	54, 553	266, 129, 894	559, 851, 203	576, 511, 383	1, 168, 600, 255

¹ Includes: Animal oils and fats plants, 2; biscuit manufacturers, 3; butter and cheese plants, 2; condenseries, 1; flour mills, 1; macaroni manufacturers, 1; miscellaneous food manufacturers, 6; poultry processors, 3; sausage and sausage casing manufacturers, 5; slaughtering and meat packing plants, 8; vegetable oil mills, 1;

¹ Includes: Automobile fabric accessory manufacturers, 1; cordage and twine industry, 1; cotton and jute bag industry, 1; embroidery, pleating, hemstitching manufacturers, 2; miscellaneous, textiles(n.e.s.) industry, 2; narrow fabric mills, 1; textile dyeing and finishing plants, 1; thread mills, 1; butters by the content of the conte

Includes: Foundation garment industry, 1; hat and cap industry, 3; miscellaneous clothing(n.e.s.) industry, 1; women's clothing factories, 2.

Includes: Coffin and casket industry, 2; hardwood flooring, 1; miscellaneous wood industries, n.e.s., 1; sawmills (except shingle mills), 1.

Includes: Electric lamp and shade industry, 1; other furniture industries, 9.

Includes: Asphalt roofing manufacturers, 1; corrugated boxes manufacturers, 2; folding boxes and set-up boxes manufacturers, 9; other paper converters, 4; paper bag manufacturers, 2.

Includes: Asphalt roofing manufacturers, 1; corrugated boxes manufacturers, 2; folding boxes and set-up boxes manufacturers, 9; other paper converters, 4; paper bag manufacturers, 2.

Includes: Lithographing, 6; printing and publishing, 7; publishing only, 1; trade composition or typesetting, 3.

Includes: Boiler and plate works, 3; fabricated structural metal industry, 2; heating equipment manufacturers, 4; miscellaneous metal fabricating industries, 13; ornamental and architectural metal industry, 17.

Includes: Agricultural implement industry, 3; commercial refrigeration and air conditioning equipment manufacturers, 2; miscellaneous machinery and equipment manufacturers, 17; office and store machinery manufacturers, 2.

Includes: Battery manufacturers, 1; communications equipment manufacturers of electrical industrial equipment, 6; manufacturers of electric with early calculated appliances, (electric and non-electric), 2; manufacturers of miscellaneous electrical products, 3; manufacturers of small electrical appliances, 3.

Includes: Manaives manufacturers, 3; asbestos products manufacturers, 2; clay products manufacturers (from imported clays), 4; glass manufacturers, 1; stone products manufacturers, 3; other non-metallic mineral products industries, 2; ready-mix concrete manufacturers, 4; refractories manufacturers, 1; stone products manufacturers, 1; other non-metallic mineral products industries, 2; ready-mix concrete manufacturers, 4; refractories manufacturers of soap and cleaning compounds, 6; manufacturers of mixed fertilizers, 1; manufacturers of pharmaceuticals and medicines, 1; includes: Manufacturers of industrial chemicals, 3; manufacturers of pharmaceuticals and medicines, 1; includes: Manufacturers, 1; broom, brush and mop industry, 6; jewellery and silverware manufacturers, 5; model and pattern manufacturers, 3; ophthalmic goods manufacturers, 2; orthopedic and surgical appliance manufacturers, 2; other miscellaneous industries, 2; plastic fabricators, 1; includes: Tobacco and tobacco produc

TABLE 70 B. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Hamilton, by Municipality, 1961

Municipality ¹	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
Hamilton (city proper) Burlington Dundas Stoney Creek Waterdown Flamborough East Township Flamborough West Township All others ² Totals	513 61 38 14 5 9 9	49, 886 2, 283 1, 077 137 .30 443 158 539	248, 228, 632 8, 935, 531 4, 269, 176 515, 993 82, 229 1, 519, 720 679, 833 1, 898, 780 266, 129, 894	519, 077, 145 21, 718, 116 5, 758, 843 789, 762 201, 396 2, 759, 766 1, 384, 978 8, 161, 197 559, 851, 203	542, 276, 542 17, 911, 073 6, 445, 375 734, 200 121, 160 2, 363, 708 1, 709, 529 4, 949, 796 576, 511, 383	1, 092, 499, 436 .39, 690, 398 13, 095, 323 1, 587, 903 .324, 009 5, 270, 296 3, 383, 337 12, 749, 553 1, 168, 600, 255

Data for townships exclude those for any incorporated cities, towns and villages located in them and listed separately includes: Ancaster Township; Beverly Township; Binbrook Township; Glanford Township; Saltfleet Township.

TABLE 71 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Windsor, by Industrial Group and Industry, 1961

by II	idustriai (roup and I	ndustry, 1961	l .		
Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nur	nber		do	llars	
Food and beverage industries:						
Bakeries	25	384	1, 238, 323	1,603,674	1,795,316	3,527,510
Soft drink manufacturers	7	97	348, 186	604,825	1,317,919	1,967,974
All other industries ¹	26	2,467	11,447,964	36, 744, 428	48, 274, 694	84,067,076
Totals	58	2, 948	13, 034, 473	38, 952, 927	51, 387, 929	89, 562, 560
Textile industries:						
Miscellaneous textiles (n.e.s.) industry	3	59	139, 274	431,088	252, 208	689, 277
All other industries ²	4	12	33, 798	29,836	35, 056	67,072
Totals	7	71	173,072	460,924	287, 264	756, 349
Clothing industries:						
Totals ³	5	228	500, 318	856, 392	747, 991	1, 596, 427
Wood industries:						
Sash and door and planing mills (excluding hard-						
wood flooring)	13	60	220,046	334,842	398,574	744,117
All other industries4	4	39	133,903	214,584	271, 299	498,602
Totals	17	99	353, 949	549, 426	669, 873	1, 242, 719
Furniture and fixture industries:						
Household furniture industry	22	64	171,006	285,588	290, 890	577,117
Other furniture industries	7	46	192,059	678, 219	347, 683	1,034,763
Totals	29	110	363, 065	963, 807	638, 573	1, 611, 880
Printing, publishing and allied industries:		400				
Printing and bookbinding	24	165	643,619	489, 157	1,083,927	1,578,784
All other industries ⁵	. 12	486	2,642,997	1,819,537	4,630,476	6,481,890
Totals	36	651	3, 286, 616	2, 308, 694	5, 714, 403	8, 060, 674
Metal fabricating industries (except machinery and						
transportation equipment industries):	0.4	0.10	0 4=0 000	1 800 010		
Hardware, tool and cutlery manufacturers	34	643	3,476,656	1,722,348	5,000,233	6, 832, 341
Machine shops	35	1,890	319,763 9,384,338	244,668	407, 997	675,818
Totals	78	2, 611	13, 180, 757	12, 750, 116 14, 717, 132	14, 316, 313	27, 724, 997 35, 233, 156
					, 172, 023	30, 200, 200
Machinery industries (except electrical machinery):						
Totals'	12	732	3, 539, 286	6, 256, 443	8, 184, 771	14, 524, 075
Electrical products industries:						
Totals ^a	9	156	487, 178	1, 208, 390	1, 185, 742	2, 403, 431
Non-metallic mineral products industries:						
Totals ⁹	10	289	1, 352, 329	2, 654, 706	3, 094, 977	6,050,920

TABLE 71 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Windsor, by Industrial Group and Industry, 1961 - Concluded

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nu	mber		dol	lars	
Chemical and chemical products industry:						
Manufacturers of toilet preparations	3	6	14, 997	24, 00u	44,320	69, 920
Paint and varnish manufacturers	7	171	762, 443	2, 973, 533	2,747,356	5, 751, 824
All other industries 10	17	344	1, 698, 125	2, 575, 930	6, 423, 513	8, 902, 452
Totals	27	521	2, 475, 565	5, 573, 463	9, 215, 189	14, 724, 196
discellaneous manufacturing industries:						
Dental laboratories	7	21	74,606	33, 180	99, 187	134, 128
Signs and displays industry	6	21	93,650	69, 106	167, 346	242, 800
All other industries ¹¹	31	547	2, 522, 773	2, 314, 773	4, 616, 491	6, 967, 010
Totals	44	589	2, 691, 029	2, 417, 059	4, 883, 024	7, 343, 938
all other major groups ¹² :						
Totals	48	13, 069	71, 675, 058	162, 251, 993	96, 593, 437	264, 605, 992
Grand totals, Metropolitan Windsor	380	22, 074	113, 112, 695	239, 171, 356	202, 327, 716	447, 716, 317

¹ Includes: Breakfast cereal manufacturers, 1; breweries, 1; butter and cheese plants, 1; confectionery manufacturers, 1; distilleries, 1; fruit and vegetable canners and preservers, 6; miscellaneous food manufacturers, 4; pasteurizing plants, 5; poultry processors, 1; sausage and sausage casing manufacturers, 2; slaughtering and meat packing plants, 3.

¹ Includes: Automobile fabric accessory manufacturers, 1; canvas products industry, 1; embroidery, pleating, hemstitching manufacturers, 1; allowed in the control of the cont

setting, 2.

6 Includes: Boiler and plate works, 1; fabricated structural metal industry, 1; heating equipment manufacturers, 1; metal stamping, pressing and coating industry, 11; miscellaneous metal fabricating industries, 10; ornamental and architectural metal industry, 8; wire and wire products

and coating industry, 11; miscellaneous metal labricating industries, 10; ornamental and alcintectural metal industry, 0, whe and who products manufacturers, 3.

7 Includes: Miscellaneous machinery and equipment manufacturers, 10; office and store machinery manufacturers, 2.

8 Includes: Communications equipment manufacturers, 1; manufacturers of electrical industrial equipment, 6; manufacturers of miscellaneous electrical products, 1; manufacturers of small electrical appliances, 1.

9 Includes: Concrete products manufacturers, 2; glass products manufacturers, 3; other non-metallic mineral products industries, 1; ready-mix concrete manufacturers, 3; stone products manufacturers, 1.

10 Includes: Manufacturers of pharmaceuticals and medicines, 8; manufacturers of soap and cleaning compounds, 4; other chemical industries, 2.

10 Includes: Manufacturers of pharmaceutears and medicines, 0, includes; Artificial ice manufacturers, 2; button, buckle and fastener industry, 1; instrument and related products manufacturers, 2; jewellery and silverware manufacturers, 3; model and pattern manufacturers, 8; orthopedic and surgical appliance manufacturers, 1; plastic fabricators, n.e.s., 4; smokers' supplies manufacturers, 1; sporting goods industry, 5; stamp and stencil (rubber and metal) manufacturers, 1; toys and games industry, 2; venetian blind manufacturers, 1; inside products, 2; miscellaneous leather products manufacturers, 1; other paper converters, 1; copper and alloy rolling, casting and extruding, 1; iron foundries, 5; metal rolling, casting and extruding, n.e.s., 2; boatbuilding and repair, 1; motor vehicle manufacturers, 2; motor vehicle parts and accessories manufacturers, 26; truck body and trailer manufacturers.

TABLE 71 B. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Windsor, by Municipality, 1961

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number		dollars			
Windsor (city proper)	282	20, 351	105, 820, 857	222, 681, 753	187, 560, 159	417, 752, 351
Riverside	8	146	581,678	1,776,172	1,020,777	2,831,034
Sandwich East Townships	37	584	2,625,882	4, 050, 101	5, 478, 177	9, 514, 574
All others¹	53	993	4,084,278	10, 663, 330	8, 268, 603	17, 618, 358
Totals	380	22, 974	113, 112, 695	239, 171, 356	202, 327, 716	447, 716, 317

¹ Includes: St. Clair Beach; Tecumseh; Sandwich South Township; Sandwich West Township.

TABLE 72 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Winnipeg, by Industrial Group and Industry, 1961

by Industrial Group and Industry, 1961										
Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments				
	nu	mber		do	llars					
Food and beverage industries:										
Bakeries	64	1,150	4, 345, 218	5, 297, 229	7, 213, 775	12, 841, 686				
Breweries	6	623	2, 984, 053	3, 165, 854	11,835,337	15, 123, 299				
Confectionery manufacturers	10	278	712, 154	2, 052, 732	1,389,377	3, 442, 425				
Feed manufacturers	15	188	758, 352	8, 366, 321	2, 077, 149	10, 525, 040				
Miscellaneous food manufacturers	6	49	143, 411	642, 401	187, 800	817, 141				
Pasteurizing plants	16	502	2, 012, 431	13, 116, 167	5,840,618	19, 542, 979				
Poultry processors	9	880	3.586,054	12, 134, 387	5, 508, 733	17, 950, 951				
Sausage and sausage casing manufacturers	9	218	480, 073	2,706,071	1,347,311	3, 983, 796				
Slaughtering and meat packing plants	6 10	198	734,799	3, 279, 656	1, 218, 762	4, 559, 094				
Soft drink manufacturers	10	2,663	12,674,685	101, 677, 853	17, 212, 568	119, 074, 143				
All other industries ¹	20	286	1, 114, 097	2,334,923	4, 080, 919	6, 571, 478				
		1,068	3, 905, 079	27, 091, 355	10, 732, 662	39, 332, 138				
Totals	181	8, 103	33, 450, 406	181, 864, 949	68, 645, 011	253, 764, 170				
Leather industries:										
Leather glove factories	7	236	550, 130	972, 201	789, 730	1, 760, 538				
All other industries ²	10	301	915, 081	2, 573, 834	1, 207, 169	3, 803, 986				
Totals	17	537	1, 465, 211	3, 546, 035	1, 996, 899	5, 564, 524				
Textile industries:										
Canvas products industry	6	66	187, 114	323,889	285, 440	616, 592				
Miscellaneous textiles (n.e.s.) industry	14	125	349,674	934, 368	530, 129	1,463,177				
All other industries ³	11	350	1,074,284	5, 836, 090	2, 112, 245	8,007,921				
Totals	31	541	1, 611, 072	7, 094, 347	2, 927, 814	10, 087, 690				
Clothing industries:										
Fur goods industry	25	420	1 410 000	0 000 100						
Hat and cap industry	35	436	1,410,926	3, 037, 457	2, 032, 020	5, 026, 533				
Men's clothing factories	11 49	283	722, 451	647, 866	1,071,899	1, 762, 260				
Women's clothing factories	23	2,698 1,603	6, 667, 550	14, 196, 697	9, 375, 937	23, 418, 225				
All other industries ⁴	23 8	357	4,726,685	8, 757, 500	6, 792, 847	15, 606, 156				
Totals	126	5, 377	881, 604 14, 409, 216	1, 478, 972 28, 118, 492	1, 406, 839 20, 679, 542	2, 852, 460 48, 665, 634				
					, 010, 020	20, 000, 001				
Wood industries: Sash and door and planing mills (excluding hard-										
wood flooring)	22	498	1, 708, 079	2, 058, 444	2,411,662	4,505,934				
All other industries	9	230	700, 138	1, 067, 454	1,322,297	2,447,391				
Totals	31	728	2, 408, 217	3, 125, 898	3, 733, 959	6, 953, 325				
Furniture and fixture industries:										
Household furniture industries:	81	1,042	3,668,459	R 361 760	E 070 000	10 107 70				
Other furniture industries	19	733	2, 455, 784	6, 361, 760 4, 818, 278	5,676,382	12, 127, 791				
All other industries	3	11	34, 263	48, 980	3, 838, 603 88, 736	8, 751, 218				
Totals	103	1, 786	6, 158, 506	11, 229, 018	9, 603, 721	138, 941 21, 017, 950				
Paper and allied industries:										
Corrugated boxes manufacturers	3	230	943, 497	3, 464, 417	2, 050, 101	5, 552, 312				
Folding boxes and set-up boxes manufacturers	5	247	933,309	2, 809, 221	1,639,127	4,502,005				
All other industries ⁷	13	663	2,515,790	7, 448, 945	7, 580, 948	15,084.730				
Totals	21	1, 140	4, 392, 596	13, 722, 583	11, 270, 176	25, 139, 047				

TABLE 72 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Winnipeg, by Industrial Group and Industry, 1961 — Continued

			y, 1961 - Co			
Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nu	mber		do	ollars	
Printing, publishing and allied industries:						_
Engraving and duplicate plates	8	168	740, 177	223, 505	1, 009, 287	1, 243, 395
Lithographing	8	232	1,002,478	807, 511	1, 455, 595	2, 293, 630
Printing and bookbinding	77	1,433	5, 978, 169	4, 887, 905	9, 875, 800	14, 828, 667
Printing and publishing	23	1,463	5, 855, 622	4, 432, 528	11, 377, 793	15, 921, 689
Publishing only	18	139	536, 737	1, 187, 729	1,613,511	2, 807, 827
Trade composition or typesetting	4	17	56, 595	15, 131	88, 511	104, 810
Totals	138	3, 452	14, 169, 778	11, 554, 309	25, 420, 497	37, 200, 018
Primary metals industries:						
Totals ^a	9	504	2, 162, 702	2, 681, 363	4, 441, 392	7, 006, 124
Metal fabricating industries (except machinery and transportation equipment):						
Machine shops	34	375	1,643,379	1,802,033	2, 244, 764	4, 133, 693
Metal stamping, pressing and coating industry	26	1,008	4, 226, 267	6,403,558	6, 879, 948	13, 161, 113
Miscellaneous metal fabricating industries	9	499	2, 298, 929	4, 231, 162	4,261,303	8,616,972
Ornamental and architectural metal industry	15	231	910, 075	1,311,762	1,627,664	3, 038, 737
All other industries'	16	1,048	4,841,401	6,427,742	6,695,642	13, 075, 066
Totals	100	3, 161	13, 920, 051	20, 176, 257	21, 709, 321	42, 025, 581
Machinery industries (except electrical machinery):						
Agricultural implement industry	10	442	1,512,030	4,779,968	2 000 505	7 005 550
All other industries10	15	549	2,372,052	2,776,342	3, 262, 595	7, 825, 559
Totals	25	991	3, 884, 082	7, 556, 310	3, 948, 158	6,758,702
		331	0,002,002	1, 556, 510	7, 210, 753	14, 584, 261
Transportation equipment industries:						
Truck body and trailer manufacturers	6	116	206 406	450 000		
All other industries ¹¹	17	5, 020	386,496	473,386	535, 823	1,001,216
			21, 140, 362	24, 999, 527	27, 118, 496	52, 810, 124
Totals	23	5, 136	21, 526, 858	25, 472, 913	27, 654, 319	53, 811, 340
Electrical products industries:						
Manufacturers of miscellaneous electrical products	8	247	796, 397	1,739,600	1, 287, 760	3,060,491
All other industries ¹²	10	509	1,973,596	4,844,609	4,624,670	9, 529, 806
Totals	18	756	2, 769, 993	6, 584, 209	5, 912, 430	12, 590, 297
Von-motallia minoval mandante i						
Non-metallic mineral products industries:						
Glass products manufacturers	6	81	282, 244	661,521	477,336	1,143,109
All other industries ¹³	25	1,075	4,642,822	7, 367, 649	13, 210, 061	22, 201, 942
Totals	31	1, 156	4, 925, 066	8, 029, 170	13, 687, 397	23, 345, 051
Chemical and chemical products industries:						
Manufacturers of industrial chemicals	3	66	277, 851	316 004	1 040 000	
Other chemical industries, n.e.s.	9	81	267, 956	316, 234 2, 930, 264	1, 048, 039	1,384,780
Paint and varnish manufacturers	6	312	1, 112, 557	4. 017, 620	1,433,156	4, 154, 634
All other industries ²⁴	13	208	791, 186	1, 290, 581	3, 595, 178	7, 562, 644
Totals			1		2, 101, 043	3, 480, 325
	31	667	2, 449, 550	8, 554, 699	8, 177, 416	16, 582, 383

TABLE 72 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Winnipeg, by Industrial Group and Industry, 1961 - Concluded

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nur	nber		do	llars	
Miscellaneous manufacturing industries:						
Dental laboratories	27	131	510, 509	167, 363	698, 784	873, 712
Signs and displays industry	8	159	820, 709	495, 443	872,821	1, 374, 442
Stamp and stencil (rubber and metal) manufacturers	5	17	63, 830	12,700	101,803	115, 254
Statuary, art goods, regalia and novelty manufacturers	6	67	160, 450	82, 058	339, 095	423, 829
All other industries ¹⁵	48	672	2,054,307	4, 276, 613	3,885,629	8, 172, 255
Totals	94	1, 046	3, 409, 805	5, 034, 177	5, 898, 132	10, 959, 492
All other major groups:						
Totals ¹⁶	10	493	2, 547, 964	33, 274, 055	12, 489, 887	45, 708, 698
Grand totals, Metropolitan Winnipeg	989	35, 574	135, 661, 073	377, 618, 784	251, 458, 666	635, 005, 585

ing, n.e.5., 4.

*Includes: Fabricated structural metal industry, 5; hardware, tool and cutlery manufacturers, 2; heating equipment manufacturers, 6; wire and wire

Ing, n.e.s., 4.

* Includes: Fabricated structural metal industry, 5; hardware, tool and cutlery manufacturers, 2; heating equipment manufacturers, 0, whe and whe products manufacturers, 3.

** Includes: Commercial refrigeration and air conditioning manufacturers, 3; miscellaneous machinery and equipment manufacturers, 12.

** Includes: Commercial refrigeration and air conditioning manufacturers, 3; motor vehicle manufacturers, 2; motor vehicle parts and accessories manufacturers, 4; railroad rolling stock industry, 5.

** Includes: Battery manufacturers, 3; manufacturers of electric wire and cable, 2; manufacturers of electrical industrial equipment, 1; manufacturers of small electrical appliances, 4.

** Includes: Battery manufacturers, 1; clay products manufacturers (from domestic clays), 1; clay products manufacturers (from imported clays), 1; concrete products manufacturers, 10; gypsum products manufacturers, 2; other non-metallic mineral products industries, 3; ready-mix concrete manufacturers, 2; sone products manufacturers, 10; manufacturers of mixed fertilizers, 1; manufacturers of pharmaceuticals and medicines, 4; manufacturers of printing inks, 2; manufacturers of osop and cleaning compound, 6.

**Includes: Artificial flowers and feathers manufacturers, 1; broom, brush and mop industry, 6; candle manufacturers, 1; clock and watch manufacturers, 3; fur dressing and dyeing industry, 2; hair goods manufacturers 2; orthopedic and surgical appliance manufacturers, 4; plastic fabricators n.e.s., 11; musical instruments and sound recording industry, 1; sporting goods industry, 2; toys and games industry, 2; venitian blind manufacturers, 5.

**Includes: Pubber products, 2; other knitting mills, 2; manufacturers of lubricating oils and greases, 1; other petroleum and coal products industries, 3; petroleum refining, 2.

TABLE 72B, Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Winnipeg. by Municipality, 1961

Municipality	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	nur	nber		do	llars	
Winnipeg (City proper)	736	23, 694	86, 394, 635	170, 087, 223	153, 950, 695	326, 881, 838
East Kildonan	22	522	1,748,173	4, 798, 670	4, 107, 488	8,960,403
St-Boniface	83	4,699	20, 322, 818	135, 629, 042	35, 706, Q31	171,670,975
St-James	69	2, 838	10, 818, 017	21, 635, 789	21, 521, 223	42,983,135
St-Vital	10	60	232, 686	192, 053	399, 645	601, 837
All others¹	69	3, 761	16, 144, 744	45, 276, 007	35, 773, 584	83,907,397
Totals	989	35, 574	135, 661, 073	377, 618, 784	251, 458, 666	635, 005, 585

¹ Includes: Brooklands; Transcona; West Kildonan; Assiniboia Municipality; Charleswood Municipality; East St-Paul Municipality; Fort Garry Municipality; Old Kildonan Municipality. West St-Paul Municipality

Includes: Animal oils and fats plants, 1; biscuit manufacturers, 3; breakfast cereal manufacturers, 4; butter and cheese plants, 3; flour mills, 3;
 ice cream manufacturers, 2; macaroni manufacturers, 2; sugar refineries, 1; vegetable oil mills, 1.
 Includes: Leather tanneries, 1; miscellaneous leather products manufacturers, 4; shoe factories, 5,
 Includes: Automobile fabric accessory manufacturers, 3; carpet, mat and rug industry, 2; cotton and jute bag industry, 3; embroidery, pleating, hem-

^{*}Includes: Automobile labric accessory manufacturers, 3; carpet, mattandrug industry, 2; cotton and jute bag industry, 3; embroiderly, pleating, nemanufacturers, 3.

*Includes: Children's clothing industry, 6; miscellaneous clothing (n.e.s.,) industry, 2.

*Includes: Coffin and casket industry, 2; miscellaneous wood industries, n.e.s., 3; wooden box factories, 3; woodenware, 1.

*Includes: Electric lamp and shade industry, 2; office furniture industry, 1.

*Includes: Automobile labric accessory manufacturers, 2; other paper converters, 7; paper bag manufacturers, 2; pulp and paper mills, 2.

*Includes: Copper and alloy rolling, casting and extruding, 1; iron foundries, 4; iron and steel mills (head office); metal rolling, casting and extruding, n.e.s.

TABLE 73 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Vancouver, by Industrial Group and Industry, 1961

by Industrial Group and Industry, 1961							
Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments	
	nu	mber		do	ollars		
Food and beverage industries:							
Bakeries	154	1,850	7,064,253	8,023,428	11,006,239	19,494,325	
Breweries	4	430	2,220,912	3,885,492	15,335,908	19,371,080	
Confectionery manufacturers	21	279	797,625	1,565,367	1,382,146	3,005,952	
Feed manufacturers	14	418	1,791,663	13,738,772	4,365,705	18, 376, 294	
Fish products industry	25	1,466	5,782,817	25,664,541	16,220,894	37,391,812	
Fruit and vegetable canners and preservers	19	815	2,581,239	12,149,511	6,020,716	18,310,245	
Miscellaneous food manufacturers	31	772	2,965,845	32,887,289	10, 270, 685	43,055,436	
Poultry processors	12	1,396	6,366,749	20,823,792	8, 180, 594	29,502,933	
Sausage and sausage casing manufacturers	7	361 104	1,015,673	8,451,810	1,704,128	10,013,462	
Slaughtering and meat packing plants	13	1,417	472,425 7,088,819	1,737,822	1,041,856	2,780,730	
Soft drink manufacturers	6	207	899, 297	48, 232, 106	10,725,975	59, 074, 785	
All other industries ¹	18	988	4,754,070	1,466,435 16,661,543	3,484,728	5, 051, 953	
					13,443,101	31, 161, 518	
Totals	341	10,503	43, 801, 387	195, 287, 908	103, 182, 675	296, 590, 525	
Leather industries:							
Totals ²	15	238	704,114	994, 996	1, 123, 421	2,135,212	
Textile industries:							
Miscellaneous textiles (n.e.s.) industry	10	134	474,034	896,047	790, 844	1,690,472	
All other industries ^s	23	568	1,955,408	3,625,317	3,090,856	6,742,181	
Totals	33	702	2, 429, 442	4,521,364	3,881,700	8, 432, 653	
Clothing industries							
Fur goods industry	9	46	155,338	170 000	100 001		
Men's clothing factories	15	745	2, 123, 272	170, 286 3, 441, 136	198,671	382,009	
Women's clothing factories	21	660	1,764,322	2,747,921	3, 146, 337 2, 625, 707	6,682,234	
All other industries4	4	28	53, 233	12,563	80,062	5,407,252 94,243	
Totals	49	1,479	4, 096, 165	6,371,906	6, 050, 777	12, 565, 738	
Wood industries:							
Coffin and casket industry		~~					
Miscellaneous wood industries, n.e.s.	5 15	76	264,238	403,446	388,801	799,090	
Sash and door and planing mills (excluding hard-	15	301	1,416,067	5, 258, 935	2,138,920	7,469,299	
wood flooring)	68	1,253	5,619,697	11,031,989	9, 184, 146	20,314,319	
Sawmills	47	6, 951	33, 790, 021	72,505,452	40,512,433	113, 990, 447	
Shingle mills	16	917	4, 194, 060	5,855,356	5,354,650	11,410,381	
Veneer and plywood mills	12	4,270	19, 115, 602	35,916,509	24, 535, 269	62,708,382	
Wooden box factories	14	68	224,445	299, 348	327, 155	647,693	
All other industries ⁵	7	98	431,726	684,527	659,423	1,366,650	
Totals	184	13, 934	65, 055, 856	131, 955, 562	83, 100, 797	218, 706, 261	
Furniture and fixture industries:							
Household furniture industry	121	1,164	4, 213, 249	6,699,740	6,603,389	12 207 000	
Other furniture industries	33	483	1,939,237	3,336,272	3, 236, 354	13,387,809	
All other industries	7	143	557, 405	564, 157	624, 084	1, 191, 560	
Totals	161	1,790	6, 709, 891	10, 600, 169	10, 463, 827	21, 210, 120	
Paper and allied industries:							
Folding boxes and set-up boxes manufacturers		-	4.00				
Other paper converters	5	283	1,334,657	3,207,400	2,424,325	5,664,834	
All other industries	14	200	726,651	1,901,332	1,277,874	3,219,323	
		3,147	16,777,116	25,846,982	20,048,204	47, 159, 055	
Totals	31	3, 630	18, 838, 424	30, 955, 714	23, 750, 403	56, 043, 212	

TABLE 73 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Vancouver, by Industrial Group and Industry, 1961 — Continued

Industrial group and industry	Estab- lish-	Employees	Salaries	Cost at plant of materials	Value added by	Selling value
	ments	Limptoyees	and wages	used	manufacture	of factory shipments
	nu	mber		do	llars	
Printing, publishing and allied industries:						
Engraving and duplicate plates	13	155	779, 826	215, 691	1, 129, 533	1,360,18
Lithographing	20	531	2,713,477	3,033,688	4, 125, 685	7, 208, 29
Printing, bookbinding and publishing	110	2,447	12,617,041	7,487,490	22, 922, 946	30, 647, 11
Publishing only	35	153	565, 581	1,251,592	3,146,402	4,397,99
Trade composition or typesetting	4	27	145, 158	7, 137	215, 869	226, 69
Totals	182	3, 313	16, 821, 083	11, 995, 598	31, 540, 435	43, 840, 28
Primary metal industries:						
Iron foundries	8	338	1,604,595	828, 445	2,389,065	3,214,72
Metal rolling, casting and extruding, n.e.s.	5	108	497,418	1,393,512	1,363,014	2, 648, 15
All other industries ^a	20	1,083	5,682,812	21, 494, 037	8, 271, 517	30, 597, 92
Totals	33	1, 529	7, 784, 825	23, 715, 994	12, 023, 596	36, 460, 80
Metal fabricating industries (except machinery and						
transportation equipment industries):						
Boiler and plate works	8	141	732,477	771,461	995, 394	1,766,75
Machine shops	57	622	2, 899, 449	2,432,141	4, 141, 646	6,665,86
Miscellaneous metal fabricating industries	33	398	1, 932, 558	3,205,035	2,837,592	6,492,52
Ornamental and architectural metal industry	45	407	1,821,390	2,311,576	3, 355, 637	5,604,07
Wire and wire products manufacturers	21	587	2,584,601	5, 023, 504	5, 846, 608	10, 801, 65
All other industries9	68	2,245	11,248,409	23,545,103	21,520,312	46, 572, 03
Totals	232	4, 400	21, 218, 884	37, 288, 820	38, 697, 189	77, 902, 90
Machinery industries (except electrical machinery):						
Totals ¹⁰	41	1, 481	7, 316, 139	6, 649, 158	11, 656, 459	18, 864, 4
Transportation equipment industries:						
Boatbuilding and repair	44	220	792,487	860, 932	1, 125, 556	1, 945, 4
Truck body and trailer manufacturers	14	227	1,019,983	2, 080, 367	1,545,113	3,646,4
All other industries ¹¹	25	2, 228	11,408,412	9, 722, 448	21,661,220	31,491,2
Totals	83	2, 675	13, 220, 882	12, 663, 747	24, 331, 889	37, 083, 1
Electrical products industries:						
Manufacturers of electrical industrial equipment	6	215	1,002,874	1, 900, 547	1,428,102	3,490,1
All other industries ¹²	25	807	3,569,409	7, 202, 358	6,880,027	13, 867, 2
Totals	31	1, 022	4, 572, 283	9, 102, 905	8, 308, 129	17, 357, 3
Non-metallic mineral products industries:						
Asbestos products manufacturers	3	35	144,713	175,675	210, 538	412, 2
Concrete products manufacturers	15	258	1, 239, 226	1,751,411	2, 809, 725	4, 429, 9
Ready-mix concrete manufacturers	6	309	1,783,341	3,639,068	2, 373, 890	6, 299, 8
Stone products manufacturers	9	42	171,521	132, 735	254, 615	397, 1
All other industries13	19	515	2,604,736	3,354,318	6,061,451	10, 278, 2
Totals	52	1, 159	5, 943, 537	9, 053, 207	11, 710, 219	21, 817, 4
Chemical and chemical products industries:						
Manufacturers of plastics and synthetic resins	3	66	343,621	3,991,130	1, 987, 834	6,013,3
Manufacturers of pharmaceuticals and medicines	8	60	212, 890	227,500	424,303	657, 2
Manufacturers of printing inks	5	43	193,970	381,658	567, 558	938, 3
Other chemical industries	27	144	547, 735	1,466,799	1, 455, 174	2, 941, 9
Paint and varnish manufacturers	16	315	1,458,418	4,230,699	5, 008, 903	9, 019, 5
All other industries ¹⁴	22	416	1,921,798	3, 968, 423	6, 236, 372	11, 362, 2
Totals	81	1, 044	4, 678, 432	14, 266, 209	15, 680, 144	30, 932, 7

TABLE 73 A. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Vancouver, by Industrial Group and Industry, 1961 - Concluded

Industrial group and industry	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
Min-11	num	nber		do	llars	
Miscellaneous manufacturing industries:						3
Dental laboratories	62	184	844,757	294, 110	1,079,900	1,387,071
Instrument and related products manufacturers	. 3	6	34,589	14, 325	72, 267	87, 689
Jewellery and silverware manufacturers	12	128	472,315	307,639	703,712	993, 864
Model and pattern manufacturers	6	26	130, 597	21, 371	181, 124	202, 328
Orthopedic and surgical appliance manufacturers	7	20	81,538	45, 588	115,372	163,394
Plastic fabricators, n.e.s.	22	213	797, 404	2, 082, 659	1,455,592	3, 513, 057
Signs and displays industry	28	439	2, 242, 998	1,329,502	3, 253, 015	4, 549, 126
Sporting goods industry	10	63	185,397	259, 189	354,677	604, 682
Stamp and stencil (rubber and metal) manufacturers.	8	61	252, 684	107, 280	296, 639	410, 421
All other industries ¹⁵	25	152	468, 388	549, 067	740, 972	1, 308, 019
Totals	183	1, 292	5, 510, 667	5, 010, 730	8, 253, 270	13, 219, 651
all other major groups 16:						
Totals	15	1, 180	6, 180, 468	48, 965, 283	16, 660, 902	67, 192, 700
Grand totals, Metropolitan Vancouver	1,747	51, 371	234, 882, 479	559, 399, 270	410, 415, 832	980, 355, 187

1 Includes: Animal oils and fats plants, 1; biscuit manufacturers, 2; breakfast cereal manufacturers, 2; butter and cheese plants, 1; distilleries, 2; flour mills, 1; ice cream manufacturers, 4; macaroni manufacturers, 2; sugar refineries, 1; wineries, 2.

2 Includes: Leather glove factories, 4; leather tanneries, 2; miscellaneous leather products manufacturers, 4; shoe factories, 5.

3 Includes: Automobile fabric accessory manufacturers, 2; canvas products industry, 6; cordage and twine industry, 5; cotton and jute bag industry, 1; wool cloth mills, 2.

4 Includes: Hat and can industry, 2; miscellaneous clothics, manufacturers, 2; miscellaneous clothics.

ol cloth milis, 2.

4 Includes: Hat and cap industry, 2; miscellaneous clothing (n.e.s.) industry, 1; women's clothing contractors, 1.

5 Includes: Cooperage, 1; wood handles and turning, 2; woodenware, 4.

6 Includes: Electric lamp and shade industry, 4; office furniture industry, 3.

7 Includes: Asphalt roofing manufacturers, 2; corrugated boxes manufacturers, 2; paper bag manufacturers, 5; pulp and paper mills, 3.

8 Includes: Aluminum rolling, casting and extruding, 5; copper and alloy rolling, casting and extruding, 9: iron and steel mills, 5; steel pipe and

tube mills, 1.

Includes: Fabricated structural metal industry, 5; hardware, tool and cutlery manufacturers, 12; heating equipment manufacturers, 8; metal stamping, pressing and coating industry, 43.

Includes: Commercial refrigeration and air conditioning equipment manufacturers, 2; miscellaneous machinery and equipment manufacturers, 10 includes: Commercial refrigeration and air conditioning equipment manufacturers, 2; miscellaneous machinery and equipment manufacturers, 10 includes: Commercial refrigeration and air conditioning equipment manufacturers, 2; miscellaneous machinery and equipment manufacturers, 10 includes: Commercial refrigeration and air conditioning equipment manufacturers, 2; miscellaneous machinery and equipment manufacturers, 10 includes: Commercial refrigeration and air conditioning equipment manufacturers, 2; miscellaneous machinery and equipment manufacturers, 10 includes: Commercial refrigeration and air conditioning equipment manufacturers, 2; miscellaneous machinery and equipment manufacturers, 3 includes: Commercial refrigeration and air conditioning equipment manufacturers, 3 includes: Commercial refrigeration and air conditioning equipment manufacturers, 3 includes: Commercial refrigeration and air conditioning equipment manufacturers, 3 includes: Commercial refrigeration and 3 includes and 3 includes and 3 includes and 3 includes and 3

39. Includes: Aircraft and parts manufacturers, 5; motor vehicle manufacturers, 3; motor vehicle parts and accessory manufacturers, 4 'allroad rolling stock industry, 1; shipbuilding and repair, 12.

13 Includes: Battery manufacturers, 3; communications equipment manufacturers, 8; manufacturers of electric wire and cable, 2; manufacturers of major appliances (electric and non-electric), 1; manufacturers of miscellaneous electrical products, 7; manufacturers of small electrical appliances, 3.

14 Includes: Abrasives manufacturers, 1; cement manufacturers, 1; clay products manufacturers (from domestic clays), 1; clay products manufacturers (from imported clays), 3; glass products manufacturers, 2; prepared products manufacturers, 2; prepared products manufacturers, 2; prepared products manufacturers, 2; refractories manufacturers, 2; of industrial chemicals, 8; manufacturers of mixed fertilizers, 2; manufacturers of soap and cleaning compounds, 11; manufacturers of tollet preparations, 1.

15 Includes: Broom, brush and mop industry, 6; fur dressing and dyeing industry, 1; hair goods manufacturers, 2; musical instruments and sound recording industry, 1; other miscellaneous industries, 1; smokers' supplies manufacturers, 1; statuary, art goods, regalia and novelty manufacturers, 2; tolleds: Rubber products, 6; other knitting mills, 3; manufacturers of lubricating oils and greases, 1; other petroleum and coal products industries, 2; petroleum refining, 3.

TABLE 73 B. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Area of Vancouver, by Municipality, 1961

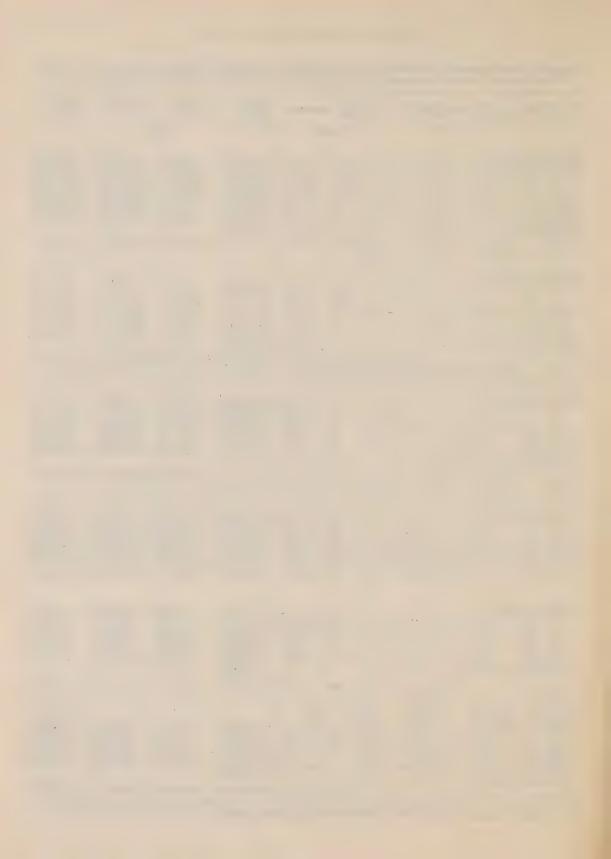
Municipality ¹	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments		
	num	ber		doll	ars	rs		
Vancouver (city proper) New Westminster North Vancouver Port Coquitiam Port Moody Burnaby District Municipality Richmond District Municipality Surrey District Municipalit ty West Vancouver District Municipality All others ²	1, 143 97 71 12 7 166 86 92 18 55	30, 989 5, 328 2, 025 206 674 4, 342 3, 528 1, 526 171 2, 582	141, 169, 361 24, 440, 919 9, 994, 933 991, 453 3, 460, 424 20, 500, 108 15, 730, 161 5, 965, 314 515, 877 12, 113, 929	277, 891, 062 53, 579, 335 14, 256, 603 1, 326, 487 20, 232, 405 84, 393, 620 50, 512, 270 20, 284, 508 966, 767 35, 956, 213	226, 443, 221 46, 200, 714 20, 760, 741 1, 845, 236 7, 827, 580 44, 294, 250 34, 135, 511 10, 938, 504 1, 403, 006 16, 567, 069	509, 665, 553 101, 383, 744 36, 562, 451 3, 036, 630 28, 652, 902 130, 171, 358 84, 529, 663 31, 411, 886 2, 321, 538 52, 619, 462		
Totals	1, 747	51, 371	234, 882, 479	559, 399, 270	410, 415, 832	980, 355, 187		

Data for district municipalities exclude those for any incorporated cities, towns and villages located in them and listed separately.
Includes: Coquitlam District Municipality: Delta District Municipality; Fraser Mills District Municipality; North Vancouver District Municipality; University Endowment Area; Unorganized and Indian Reserves; White Rock.

TABLE 74. Principal Statistics of the Manufacturing Industries Located in the Census Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, classified by the Number of Employees per Establishment, 1961

vancouver, classified by the Number of Employees per Establishment, 1961						
Metropolitan area, by size group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	nu	mber		do	ollars	
Montreal Metropolitan Area: Under 5 employees 5 - 14 " 15 - 49 " 50 - 99 " 100 - 199 " 200 - 499 " 500 - 998 " 1,000 -1,499 " 1,500 employees and over Head offices¹	1,416 1,424 1,308 478 226 149 38 9	3, 306 12, 242 35, 821 33, 123 31, 015 46, 080 27, 126 10, 645 38, 105 7, 105	10, 156, 587 39, 908, 664 116, 560, 340 110, 132, 431 108, 899, 149 183, 959, 827 124, 140, 675 52, 786, 941 193, 663, 410 45, 662, 016	466, 136 1, 575, 046 4, 590, 602 5, 058, 076 4, 896, 964 13, 234, 628 7, 729, 276 3, 136, 986 4, 067, 81	24, 308, 497 96, 629, 512 262, 675, 511 271, 001, 384 271, 353, 820 567, 456, 463 391, 458, 653 229, 149, 429 253, 754, 126	44, 911, 099 174, 361, 950 488, 779, 287 502, 180, 497 506, 195, 737 989, 112, 029 695, 540, 404 305, 997, 513 524, 783, 502
Totals	5,060	244, 568	985, 810, 040	44, 755, 526	2, 367, 787, 395	4, 231, 862, 018
Toronto Metropolitan Area: Under 5 employees 5 - 14 " 15 - 49 " 50 - 99 " 100 - 199 " 200 - 499 " 500 - 999 " 1,000 - 1,499 " 1,500 employees and over Head offices¹	1, 318 1, 437 1, 326 462 252 140 35 9	3, 186 12, 315 36, 338 31, 734 35, 343 43, 949 24, 417 11, 384 23, 511 5, 443	10, 127, 810 44, 816, 283 140, 328, 729 125, 209, 276 144, 488, 922 196, 543, 874 117, 355, 308 56, 279, 261 125, 349, 880 39, 137, 723	539, 432 2, 051, 461 6, 463, 501 6, 920, 498 7, 352, 316 11, 688, 153 6, 184, 735 2, 185, 411 3, 968, 219	17, 777, 906 79, 206, 003 298, 326, 111 315, 455, 856 333, 773, 372 432, 071, 190 239, 956, 249 110, 759, 919 400, 606, 201	37,897,454 163,873,754 577,614,045 587,645,979 635,947,246 849,755,818 488,433,569 201,932,676 629,241,885
Totals	4, 988	227, 620	999, 637, 066	47, 353, 726	2, 227, 932, 807	4, 172, 342, 426
Hamilton Metropolitan Area: Under 5 employees 5 - 14 " 15 - 49 " 50 - 99 " 100 - 199 " 200 - 499 " 500 - 1,499 " 1,500 employees and over Head offices! Totals	227 173 131 60 40 32 10 4 -	588 1,674 3,765 4,182 5,784 9,914 8,383 19,922 341 54,553	1,805,029 6,178,789 14,871,511 17,505,063 23,211,081 44,552,627 44,161,154 112,214,443 1,630,197 266,129,894	139,007 354,618 1,545,179 2,859,336 1,296,880 2,441,128 2,923,419 15,006,183 —	2, 980, 581 9, 898, 152 31, 334, 766 48, 917, 945 60, 258, 546 92, 494, 027 123, 707, 024 190, 260, 162	6, 327, 673 20, 701, 872 60, 769, 804 92, 384, 281 103, 944, 246 171, 397, 595 241, 274, 878 471, 799, 906
Windsor Metropolitan Area: Under 5 employees 5 - 14 "" 15 - 49 " 50 - 99 " 100 - 199 " 200 - 999 " 1,000 employees and over	158 90 79 20 17 13 3	388 832 2,035 1,321 2,423 4,685 10,390 22,074	1, 184, 386 3, 108, 649 7, 958, 216 6, 219, 034 11, 027, 722 24, 031, 428 59, 583, 260 113, 112, 695	68, 873 209, 487 511, 918 409, 728 594, 566 1, 273, 884 3, 051, 565 6, 120, 021	1, 821, 106 4, 961, 939 13, 862, 996 10, 259, 640 28, 764, 391 46, 613, 175 132, 888, 109 239, 171, 356	4, 246, 084 11, 643, 233 29, 124, 121 26, 250, 354 54, 026, 909 86, 230, 123 235, 995, 493 447, 716, 317
Winnipeg Metropolitan Area: Under 5 employees 5 - 14 " 15 - 49 " 50 - 99 " 100 - 199 " 200 - 499 " 500 - 999 " 1,000 employees and over Head offices¹	318 249 249 102 43 21 4	752 2,113 6,947 7,284 5,834 5,673 2,653 4,211 107	2, 204, 221 7, 042, 303 23, 927, 682 25, 693, 996 22, 759, 591 23, 142, 871 11, 715, 669 18, 603, 209 571, 331	138,300 390,639 1,332,023 1,465,680 1,661,454 2,288,930 422,849 727,991	3, 803, 234 15, 752, 617 60, 756, 619 58, 285, 756 87, 695, 260 36, 445, 336 51, 269, 430 63, 610, 532	8, 181, 261 29, 669, 082 107, 869, 521 110, 623, 333 144, 391, 135 80, 913, 127 67, 416, 729 85, 941, 397
Totals	989	35, 574	135, 661, 073	8, 427, 866	377, 618, 784	635, 005, 585
Vancouver Metropolitan Area: Under 5 employees	688 508 336 109 61 33 12	1,580 4,231 8,863 7,500 8,372 9,876 9,027 1,922	4, 920, 652 16, 082, 261 37, 101, 868 32, 385, 195 38, 500, 305 48, 610, 250 44, 694, 442 12, 587, 506	300, 119 998, 337 2, 724, 004 1, 820, 275 4, 436, 525 3, 074, 630 1, 956, 274	7, 413, 162 26, 729, 064 89, 460, 562 70, 580, 606 135, 084, 565 149, 437, 521 80, 693, 79	16, 251, 506 55, 809, 667 164, 684, 521 133, 610, 478 226, 000, 097 232, 814, 699 151, 184, 219
Totals	1, 747	51, 371	234, 882, 479	15, 310, 164	559, 399, 270	980, 355, 187

^{&#}x27; Under this heading are included only those head offices that are not located at the plant.



APPENDIX I

INDUSTRY DIVISION PUBLICATIONS ON THE MANUFACTURING INDUSTRIES

The results of the annual Census of Manufactures are published by the Industry Division, Dominion Bureau of Statistics, in a series of industry and general reports which are released each year as compilations are completed. In addition, a large number of quarterly and monthly reports are published on specific aspects (e.g. production, shipments and inventories) of individual industries and commodities. Both types of reports are included in the list below which is arranged by general reviews and the 20 industrial groups of the manufacturing industries. A complete catalogue of DBS publications is available on request from the Information and Public Relations Division, Dominion Bureau of Statistics, or from the Queen's Printer, Ottawa.

M - Monthly

O - Ouerterly

B - Bilingual

A - Annua	$B - Bilingual \qquad M - Monthly \qquad Q - Qu$	arterly
Catalogue number	Title	Price
	GENERAL REVIEWS	
31-201 31-203 31-204 31-205 31-206 31-207 31-208 31-209 31-210 31-211 31-001	General Review of the Manufacturing Industries of Canada (A) (B)¹ Manufacturing Industries of Canada: Summary for Canada (A) (B)¹ Atlantic Provinces (A) (B)¹ Province of Quebec (A) (B) Province of Ontario (A) (B)¹ Prairie Provinces (A) (B)¹ Province of British Columbia, including Yukon and Northwest Territories (A) (B)¹ The Manufacturing Industries of Canada, Geographical Distribution (A) (B)¹ Type of Ownership and Size of Establishment Engaged in Manufacturing in Canada (A) (B)¹ Products Shipped by Canadian Manufacturers (A) Inventories, Shipments and Orders in Manufacturing Industries (M)per year	.75 .75 .75 .50 .75 .50 1.50
	1. FOOD AND BEVERAGE INDUSTRIES	
	Bakery Products	
32 - 016 32 - 202	Bread and Other Bakery Products (Q) (B) per year Biscuits and Confectionery (Q) per year Biscuit Manufacturers (A) Bakeries (A)	
	Beverages	
32-005 32-006 32-007	Monthly Production of Soft Drinks (M) per year Breweries (A) Distilleries (A) Wineries (A) Soft Drink Manufacturers (A)	.50 .50
	Canning and Preserving	
32-011 32-017 32-211 32-212 32-216	Stocks of Fruit and Vegetables (M) per year Stocks of Canned Foods (M) per year Fruit and Vegetable Preparations (Q) per year Canned Foods Summary (A) Canned and Frozen Processed Foods (A) Fish Products Industry (A) Fruit and Vegetable Canners and Preservers (A)	.50
	Dairy Products	
32 - 209 32 - 210	Dairy Products Industries (A) (B)	.75 .50

¹ Bilingual beginning with 1962 issue.

APPENDIX I -- Continued

number	Title —	Price
	1. FOOD AND BEVERAGE INDUSTRIES - Concluded	
	Grain Mill Products	
32 - 004	Shipments of Prepared Stock and Poultry Feeds (M)	\$2.00
02-201	Dieakiasi Celeai Mahulacturers (A)	EO
02-214	reed manufacturers (A)	50
02-210	Flour Mills (A)	.50
	Meat Products	
32 - 221	Slaughtering and Meat Processors (A)	.50
32 - 227	Poultry Processors (A)	.50
	Other Food Industries	
32 - 005	Margarine Statistics (M) per year	1.00
32 - 006 32 - 018	Ons and rats (M)	1.00
32-213	Miscellaneous Food Preparations (Q) per year Confectionery Manufacturers (A) per year	1.00
32-219	macaroni manufacturers (A)	.50
32 - 222 32 - 223	Sugar Refineries (A)	.50
32 - 224	Vegetable Oil Mills (A) Miscellaneous Food Industries (A)	.50
	missessantous 1 oou muusutes (n)	.50
	2. TOBACCO PRODUCTS INDUSTRIES	
32-014	Quarterly Stocks and Consumption of Unmanufactured Tobacco (Q) per year	2.00
32 - 225	Tobacco Products Industries (A) per year	.50
	3. RUBBER INDUSTRIES	
33 - 003	Consumption, Production and Inventories of Rubber (M) per year	2.00
33-200	Rubber Industries (A) per year	.50
	4. LEATHER INDUSTRIES	
33-001		
	Raw Hides, Skins and Finished Leather (M)	1.00
	Production of Leather Footwear (M) (B) per year Leather Tanneries (A) per year	2.00
		.50
201	Deather Glove Pactories (A)	.50
	Miscellaneous Leather Products Manufacturers (A)	.50
	5. TEXTILE INDUSTRIES	
34 - 202	Canvas Products Industry (A)	
34 - 203	Canvas Products Industry (A) Cordage & Twine Industry (A) Cotton and Jute Bag Industry (A)	.50
		.50
		.50
	Textile Dyeing and Finishing Plants (A) Narrow Fabric Mills (A) Synthetic Textile Mills (A)	.50
	Total Conviction (A)	.50
		.50
	- I CALLE HIGHS (A)	.50
34 - 220	Thread Mills (A)	.50
34 - 221	Carpet, Mat and Rug Industry (A)	.50

APPENDIX I - Continued

Catalogue number	Title	Price
	6. KNITTING MILLS	
34-215	Hosiery and Knitting Mills (A)	\$.50
	7. CLOTHING INDUSTRIES	
24 001	Command Dandunding (O)	
34-001	Garment Production (Q) per year Foundation Garment Industry (A)	1.00
34 - 213	Fur Goods Industry (A)	.50
34-214	Hat and Cap Industry (A)	.50
34-216	Men's Clothing Industry (A)	.50
34-217	Women's and Children's Clothing Industries (A)	.75
34-218	Miscellaneous Clothing Industries (A)	.50
	8. WOOD INDUSTRIES	
25 201	I ossing (A) (B)	= 0
25 - 201	Logging (A) (B)	.50
35 - 204	Sawmills (A) (B)	.50
35 - 205	Sash, Door and Planing Mills (Excluding Hardwood Flooring) (A) (B)	.50
35 - 206	Veneer and Plywood Mills (A) (B)	.50
35 - 208	Miscellaneous Wood Industries (A) (B)	.50
35 - 209	Wooden Box Factories (A) (B)	.50
35 - 210	Coffin and Casket Industry (A) (B)	.50
	9. FURNITURE AND FIXTURE INDUSTRIES	
35-211	Household Furniture Industry (A) (B)	.50
35-212	Office Furniture Industry (A) (B)	.50
35 - 213	Miscellaneous Furniture Industries (A) (B)	.50
35-214	Electric Lamp and Shade Industry (A) (B)	.50
	10. PAPER AND ALLIED INDUSTRIES	
36-001	Hard Board (M) per year	1.00
	Rigid Insulating Board (M) per year	1.00
	Pulp and Paper Mills (A) (B)	.50
	Asphalt Roofing Manufacturers (A) (B) Miscellaneous Paper Converters (A) (B)	.50
	Paper Bag Manufacturers (A) (B)	.50
	Manufacturers of Corrugated Boxes (A) (B)	.50
	Manufacturers of Folding Cartons and Set-Up Boxes (A) (B)	.50
	11. PRINTING, PUBLISHING AND ALLIED INDUSTRIES	
00 000	C 1 D total Today Andrew (A) (D)	5.0
	Commercial Printing Industries (A) (B)	.50
	Publishing Industry (A) (B)	.50
	Printing and Publishing Industry (A) (B)	.50
	12. PRIMARY METAL INDUSTRIES	
41-001	Primary Iron and Steel (M) per year	3.00
41-002	Steel Ingots and Pig Iron (M) per year	1.00
41-004	Iron Castings and Cast Iron Pipes and Fittings (M)	1.00

APPENDIX I - Continued

number	CM14.3		Price
	12. PRIMARY METAL INDUSTRIES - Concluded		
41 - 007	Non-Ferrous Scrap Metal (Q)		01.00
11 20.			
41 - 214	Smelting and Refining (A) Metal Rolling, Casting and Extruding, n.e.s. (A)	****************	.50
41 - 215	Metal Rolling, Casting and Extruding, n.e.s. (A) Steel Pipe and Tube Mills (A)	********************	.50
41 - 220	Steel Pipe and Tube Mills (A) Copper and Alloy Rolling Casting and Extending (A)	*******************	.50
11 220	Iron Foundries (A)		.50
	13. METAL FABRICATING INDUSTRIES		
41 - 005	Stoves and Furnaces (M) Steel Wire and Specified Wire Products (M)	DOF VOOR	1 00
			1.00
41 - 207	Fabricated Structural Metal Industry (A) Hardware, Tool and Cutlery Manufacturers (A)	per year	1.00
41 - 208	Hardware, Tool and Cutlery Manufacturers (A) Wire and Wire Products Manufacturers (A)	***************************************	
41 - 216	Wire and Wire Products Manufacturers (A) Ornamental and Architectural Metal Industry (A)	*************************	.50
41 - 221	Ornamental and Architectural Metal Industry (A) Boiler and Plate Works (A)	***************************************	.50
41 - 225			
41 - 227			
41 - 228	Metal Stamping, Pressing and Coating Industry (A)		.50
42-207			.50
	Machine Shops (A)		.50
	14. MACHINERY INDUSTRIES		
43-006	Air Conditioning and Refrigeration Equipment (Q)	NON 1100 h	1 00
			1.00
			.50
			.50
42-210	Office and Store Machinery Manufacturers (A)	*****************	.50
	16 TDANGDODDATION DOVIDED		
42-001	15. TRANSPORTATION EQUIPMENT INDUSTRIES		
42-001	Preliminary Report on the Production of Motor Vehicles (M)	per year	1.00
42-203			1.00
42-205			.50
42 - 206	Shipbuilding and Repair (A)	****	.50
42 - 209	Motor Vehicle Manufacturers (A) Motor Vehicle Parts and Accessories Manufacturers (A)	***************************************	.50
42 - 210			.50
42 - 211			.50
42 - 212	Miscellaneous Vehicle Manufacturers (A) Truck Body and Trailer Manufacturers (A)	***************************************	.50
42-217	Truck Body and Trailer Manufacturers (A)	**************	.50
	16. ELECTRICAL PRODUCTS INDUSTRIES		
43 - 001			
43 - 002	Domestic Refrigerators and Freezers (M)	per year	1.00
			1.00
43 - 004	Specified Domestic Electrical Appliances (M) Radio and Television Receiving Sets, Including Record Players (M) Factory Sales of Electric Storage Batteries (M)	per year	1.00
43 - 005	Factory Sales of Electric Storage Batteries (M) Manufacturers of Small Electrical Appliances (A)	per year	1.00
			1.00
43 - 204	Manufacturers of Major Appliances (Electric and Non-Electric) (A)		.50
43 - 205	Manufacturers of Household Radio and Television Receivers (A)	***************************************	.50
		***************************************	.50

Catalog numbe			Price
	16. ELECTRICAL PRODUCTS INDUSTRIES - Concluded		
43-206	Communications Equipment Manufactures (A)		
43 - 207	Communications Equipment Manufacturers (A) Manufacturers of Electrical Industrial Equipment (A) Battery Manufacturers (A)		\$.56
43 - 208	Battery Manufacturers (A) Manufacturers of Electric Wire and Cable (A)		50
43 - 209	Manufacturers of Electric Wire and Cable (A) Manufacturers of Miscellaneous Fleetrical Products (A)	************************	50
43 - 210	Manufacturers of Miscellaneous Electrical Products (A)		50
			00
	17. NON-METALLIC MINERAL PRODUCTS INDUSTRIES		
44 - 001			
44 - 002	Concrete Products (M)	per year	1.00
44-004	Gypsum Products (M) Mineral Wool (M)	per year	1.00
	Mineral Wool (M) Products Made from Canadian Clays (M) Abrasives Manufacturers (A)		
44 - 202	Abrasives Manufacturers (A) Asbestos Products Manufacturers (A)	per year	1.00
44 - 203	Asbestos Products Manufacturers (A) Cement Manufacturers (A)	***************************************	. ,50
44-205	Concrete Products Manufacturers (A)	***************************************	.50
	Clay Products Manufacturers (Domestic) (A) Clay Products Manufacturers (From Imported Clays) (A)		
44-217	Gypsum Products Manufacturers (A)	***************************************	.50
45 - 001	18. PETROLEUM AND COAL PRODUCTS INDUSTRIES Asphalt Roofing (M)	per year	1.00
45 - 207	Petroleum Refineries (A)	***************************************	.50
40-201	Other Petroleum and Coal Products Industries (A)	***************************************	.50
	19. CHEMICAL AND CHEMICAL PRODUCTS INDUSTRIES		
46-001	Sales of Paints, Varnishes and Lacquers (M)	ner veer	1.00
40-002	Specified Chemicals (M)	200 21002	1.00
40-003	Soaps and Synthetic Detergents (M)	DOP VOOR	1.00
40-207	Fertilizer Trade (A)		.50
40 - 209	Manufacturers of Pharmaceuticals and Medicines (A)		EO
46-210	Paint and Varnish Manufacturers (A)	***************************************	.50
46-211	Manufacturers of Plastics and Synthetic Resins (A)	***************************************	.50
46-214	Sales of Pest Control Products by Canadian Registrants (A) Manufacturers of Soap and Cleaning Compounds (A)	***************************************	
46 - 215	Manufacturers of Toilet Preparations (A)		.50
46-216	Other Chemical Industries (A)	***************************************	.50
	Explosives and Ammunition Manufacturers (A)	************************	.50
46-219	Manufacturers of Industrial Chemicals (A)		.25
46 - 220	Manufacturers of Mixed Fertilizers (A)		.50
	20. MISCELLANEOUS MANUFACTURING INDUSTRIES		
47 - 001	Asphalt and Vinyl-Asbestos Floor Tile (M)	nor voca	1.00
41 - 211	Jewellery and Silverware Manufacturers (A)		1.00
47-201	Broom, Brush and Mop Industry (A)		.50

APPENDIX I - Concluded

Catalogue number	Title	Price
	20. MISCELLANEOUS MANUFACTURING INDUSTRIES - Concluded	
47 000	Dutten Duckle and Esstenes Industry (A)	
41-202	Button, Buckle and Fastener Industry (A)	\$.25
47 - 203	Musical Instrument and Sound Recording Industry (A)	.25
47 - 204	Sporting Goods and Toy Industry (A)	.50
47 - 205	Miscellaneous Manufacturing Industries (A)	.50
47-206	Scientific and Professional Equipment Manufacturers (A)	.50
47-207	Pen and Pencil and Typewriter Supplies Manufacturers (A)	.50
	Plastics Fabricators, n.e.s. (A)	
47 - 209	Signs and Displays Industry (A)	.50
	Venetian Blind Manufacturers (A)	

APPENDIX II

DOMINION BUREAU OF STATISTICS
OTTAWA - CANADA

Industry and Merchandising Division

ANNUAL CENSUS OF MANUFACTURES

GENERAL SCHEDULE

1961

Form CM 6501-1.1

Please make any necessary changes in above name or mailing address.

The Census of Manufactures is authorized by the Statistics Act, Chap. 257, Revised Statutes of Canada, 1952.

The Act states that every report is confidential and cannot be used for purposes of taxation, investigation or regulation without your permission and that the filing of returns by every manufacturer is compulsory.

Thirty days are allowed for the completion and submission of this report.

Industry totals compiled from manufacturers' reports will be published in industry bulletins as soon as possible after all reports are received. Your cooperation in returning your report(s) promptly will expedite the publication of this information. Completed reports and correspondence concerning their completion should be addressed to the

INDUSTRY AND MERCHANDISING DIVISION
DOMINION BUREAU OF STATISTICS
OTTAWA

COMPLETE THIS BOX IF THIS ESTABLISHMENT DID NOT OPERATE AT ALL DURING 1961, OR CHANGED OWNERSHIP	3. ACTUAL PHYSICAL LOCATION OF THIS ESTABLISHMENT
1. NO OPERATION	Street and number
If this establishment did not operate at all during 1961, kind-	City, town or village
ly check here and return the form after completing, if an-	County or Census Division
plicable, the questions below on Change of Ownership or Status	
	Province
2. CHANGE OF OWNERSHIP OR STATUS	Is this establishment within the actual legal bound-
If this establishment changed ownership during 1961, complete (a), (b), or (c):	aries of the city, town or village given above? Yes No If the answer is No, kindly give below an indication of its location,
(a) Business sold by you on (date)	such as parish or township in the East; division or township, range, meridian in the West.
To	
trans and address of present owner	
(b) Went out of business on (no new owner) (date)	4(a) NATURE OF BUSINESS: (describe briefly)
(c) Business purchased by you on (date)	(describe siterly)
From	(b) NAME UNDER WHICH THIS ESTABLISHMENT CARRIED ON BUSINESS
Name and address of previous owner	
GENERAL INSTRUCTIONS	5. TYPE OF ORGANIZATION: (check one)
NOTE: Beginning with this survey, establishments are required to	Individual Partner- Incorporated Incorporated Unincorporated
report data on total operations as described in the "Reporting Instructions" and in the notes accompanying each section of	Ownership ship Company Co-operative Co-operative
this report.	
(a) A separate report must be prepared for each manufacturing estab-	6. HEAD, EXECUTIVE OR ADMINISTRATIVE OFFICE
lishment operated by a firm.	
(b) Where an establishment was operated only a portion of the year	Does this establishment have a
1961, a report is required covering the period of operation.	Separate head or executive office? Yes No
(c) An owner who went out of business during the year, either through	Separate administrative office?
closing down or sale, is required to complete a part-year report covering the period of operation.	If yes, give name and address of same
(d) A purchaser should report from the date of purchase to the end of	
the calendar year.	Name
(e) Check for completeness, accuracy and consistency. Your report	Address
will be reviewed for completeness and accuracy and in order to	
avoid future correspondence it is suggested that you: (i) look for omissions,	I hereby certify that the information given in this report is substan-
(ii) check for reasonableness or average salaries, average	tially complete and correct to the best of my knowledge and belief.
wages, ratios of value of factory shipments to material costs,	Signature of person
payroll, etc., and	making this report
 (iii) compare total cost of materials, payroll, fuel and electricity with value of factory shipments for reasonableness; in most 	Name of cione (alexandria)
cases a reasonable margin for overhead and profit should be	Name of signer (please print)
indicated.	000.11
(f) The reporting instructions have been designed to assist you in	
	Official position
filling out this Census of Manufactures form. In view of signifi-	
filling out this Census of Manufactures form, In view of signifi- cant changes that are being implemented in this year's survey, particularly as they affect multi-unit firms, please read the	Business address of signer.
filling out this Census of Manufactures form. In view of signifi- cant changes that are being implemented in this year's survey,	

7. INVENTORY OF THIS ESTABLISHMENT
A. Manufacturing Inventory

Book value of manufacturing inventory, Include inventory at the plant and at any ware-house or selling outlet which is treated as an extension of this establishment for the purpose of reporting shipments.

(a) Raw materials, supplies and purchased components......

Note: If book value of inventory includes inventory held but not owned, check here

APPENDIX II - Continued

INVENTORY FOR PERIOD COVERED BY THIS REPORT

Opening (omit cents)

\$

Closing (omit cents)

(b) Goods in process		·	
(c) Finished goods of own manufacture			
2. Book value of other manufacturing inventory owned by this establishm cluded in Item 1, above.	ent and not in-		
(a) Row moterials and supplies in transit in Canada, held by contract own or rented warehouses. (Do not include raw materials in transit from have not yet cleared customs.).	mabroad which		
(b) Finished goods of own manufacture in transit or on consignment in C include finished goods held abroad nor finished goods in transit dest and for which Form B13 "Customs Canada, Export Entry" has been	anada. (Do not ined for export prepared.)		
B. Goods Purchased For Re-Sale Book value of all goods purchased for re-sale as such without further proc by this establishment and held at the plant (and at any warehouse or sellin is treated as an extension of this establishment for the purpose of reporting goods,) in transit in Canada, or on consignment in Canada	essing, owned ag outlet which sales of these		
8. UNFILLED ORDERS			(omit cents)
work already done on them, and of stock from which they can be filled) apart from amounts due to normal shipping 3. Of above, st	ate amount, if a	backlog at Dec. 31, 1961 te NIL, if applicable.) ny, represented by bind-	
Yes No			
9. FUEL AND ELECTRICITY USED BY THIS ESTABLISHMENT Include gasoline, diesel fuel and liquefied petroleum gases used in cars, true each case as laid down at the establishment, including transportation charg used unless the quantities are the same.)	cks, locomotive ges, duty, etc. I		Cost at
Kind	measure	Quantity	the establishment (omit cents)
			1
1. Bituminous coal (a) From Canadian mines	ton		
(b) Imported	ton		
2. Sub-bituminous coal (from Alberta mines only)	ton		
3. Anthracite coal	ton		
4. Lignite coal	ton		
5. Coke (for fuel only)	ton		
6. Gasoline	Imp. gal.		
7. Fuel oil including diesel fuel and kerosene (do not include lubricating oil)			
8. Wood (cords of 128 cubic feet of piled wood)	cord		
9. Gas (a) Liquefied petroleum gases (propane, etc.)	Imp. gal.		
(b) Other manufactured gas (excluding oxygen and acetylene, which should be reported under Item 11 A (c) of Motoriols and Supplies Used.)	1000 cu. ft.		
(c) Natural gas	1000 cu. ft.		
10. Other fuel (state kind and quantity)			
11. Electricity purchased (include service charge in cost)			
(a) For lighting and motors	kwh.		
(b) For other purposes	kwh.		
12. Steam purchased			
Part and the second sec	podna		
13. TOTAL			
10. ELECTRICITY GENERATED			
(a) For own use		kw	vh.
(b) For sale			vh.
Of the total electricity generated how much was:			
(a) By thermal plant, including diesel-driven generators?		kw	vh.
(b) By hydro-electric plant?		1	I.

Long Form

APPENDIX II - Continued

11. RAW MATERIALS, SUPPLIES AND COMPONENTS OWNED BY THIS ESTABLISHMENT

Report in this Section all raw materials, supplies and purchased components owned by this establishment and either used in production and related processes (in A, C, D and E below) or purchased for resale as such (in B).

Include only commodity items or physical goods, and not costs of services or overhead charges such as advertising, insurance, depreciation, interest, etc. In reporting cost of these goods, give the laid-down value at the establishment, i.e. the amounts actually paid or payable after discounts including any transportation and handling charges paid by this establishment to common or contract carriers in acquiring the materials, supplies and components to be reported below.

Include taw materials, supplies and components used or purchased for resale at any other locations which are treated in your records as extensions of this establishment's operations for the purpose of reporting shipments.

In the case of processed or semi-processed goods received as transfers from other establishments of your firm for resale (reported in 11B below) or further processing by this establishment, the cost of such goods should be equivalent to the transfer value reported by the shipping establishment plus any transportation and handling charges paid to common or contract carriers by this establishment.

For all items except B, report materials, supplies and components used, not purchased. (In the case of minor items of materials and supplies, purchase records may be used, if necessary.)

A. Row Materials, supplies and components owned and used in manufacturing - Give the quantity, where required, and the laid-down value at the establishment of all raw materials, supplies and components owned and used in manufacturing during the year, including those received as transfers from other establishments of your firm. Include purchased components whose cost is reflected in the value of products shipped reported in Section 12A of this report.

Do not include returnoble containers or any other purchased item chargeable to Fixed Assets Account. Include, however, materials, supplies and components used in the production of machinery and equipment for own use.

Do not include fuel which is to be reported in Section 9 of this report.

Do not include goods purchosed from others (or received as transfers from other establishments of your company) for resale as such in e same condition as purchased; these should be shown under 11B below.

Raw Materials, Supplies and Purchased Components Used (List main items below)	Unit of measure	Quantity	Total cost at this establishment (omit cents)		
(a) Raw materials and purchased components used			\$		
1					
**					
2,					
3					
4					
5					
6					
0-					
7					
8,					
9,					
10,					
11. All other rawmaterials and components, Include also such items as					
chemicals and other agents which, while not necessarily considered to be materials proper, must be directly associated with the materials at some stage of processing. (Specify large items separately.)					
(b) Containers and other packaging materials and supplies	ding fuel but in of machinery, of repairs or	ncluding all other supplies equipment and buildings			
(d) Amount paid out to others for work done on materials owned by this est	ablishment				
Total materials, supplies, components and cost of work done in r	manufacturing	operations (a + b + c + d)			
B. Materials or products purchased from others (or received as transfers from other establishments of your company) for re-sale as such in the same condition as purchased					
C. Materials and supplies used by your own employees in new construction for the use of this establishment (including major repairs and alterations). The total book value of such work chargeable to Fixed Assets Account is to be reported in Section 12C(s).					
D. Office supplies - Give the cost of office supplies used duting the year, no Exclude cost of stamps and meter expenses	t chargeable t	o Fixed Assets Account.			
E. All other materials and supplies used by this establishment such as food, blunch counters, first aid medical supplies, laboratory supplies, etc. (Do not C or D above.)	duplicate an	y items reported in A, B,			
Total materials, supplies and components of this establishment (A	+ B + C + D	+ E)			

12. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT

This Section covers all production, sales and related activities of this establishment (non-operating revenues such as tent, interest and dividends and sale of used assets are excluded). For a description of the meaning and statistical coverage of the establishment, see items 2 and 3 of Reporting Instructions.

If all shipments of goods from this location (and any adjoining warehouses) constitute final sales, you are not concerned with instructions relating to transfer shipments (Item 5 of Reporting Instructions).

Important: If goods of this establishment are shipped to other manufacturing establishments of your firm for further processing or sale or to separate warehouses or selling branches for final disposition to customers, see Item 5 of Reporting Instructions for the method to be used in reporting such shipments.

A. Shipments of goods of own monufacture - Include goods manufactured from own materials, either at this establishment, or by other manufacturers on the basis of a charge to this establishment for work done, include also revenue from repair and custom work.

Give the quantity, when required, and the net selling value of all products and by-products of own manufacture shipped during the year. Shipments should be net of returned goods and value figures should exclude discounts, returns, allowances, sales taxes and excise duties and charges for outward transportation by common or contract carriers (transportation or delivery expenses incurred by the establishment's own carriers should not be deducted). The value of containers should be included in all instances unless these are returnable.

All shipments, including those to government departments, should be accounted for. The unsold portion, at year-end of consignment shipments in Conodo, is to be treated as inventory and not as shipments. Shipments should include, however, the sales during the year of goods shipped on consignment in previous years. All shipments to foreign countries, whether sold or not at year-end, are to be reported as shipments.

PRODUCTS SHIPPED All important products manufactured from materials owned by you which are not listed below should be detailed in the space provided under "All other products". Do not duplicate items which have been included in any other Census of Manufactures report made by your company.	Unit of measure	Quantity shipped	Value of shipments. Do not include sales tax, excise duties or outward transportation charges by common or contract carriers. (omit cents)
			S
1			
2			
3			
4			
5			
6			
7			
8,			
9			
10,			
12. All other products shipped (specify large items separately)			
	· L		
13. Amount received in payment for work done on materials and product	ts owned by others		
Total value of shipments and work done			
If you have not found it possible to report the value of individu charges by common or contract carriers and sales taxes and excise	al products excluding duties, please give:	outward transportation	on.
(a) Total payments for outward transportation by common or con			. \$
(b) Total payments of sales taxes and excise duties			
Note for multi-unit firms only - Did you, as a result of the change your method of valuing shipments of goods of own used in previous years?			
If you answered "yes", please give the total value of shipment of valuation. A reasonably close estimate is acceptable	a and — who does not	11-1 1 10/01	

12, PRODUCTS AND SERVICES OF THIS ESTABLISHMENT - Concluded

	B. Shipments of goods not of own monufacture - Report the net selling value at this establishment (less discounts, returns, allowances and transportation charges by common or contract carriers) of all products or motorials (including products transferred from other establishments of your firm) sold as such in the same condition as pur- (Purchases for resale without further.	
	(Purchases for resale without further processing are to be reported in Section 11B.)	•
(C. Volue of Fixed Assets produced for the use of this establishment by your own employees: Give the book value of fixed assets produced during the year by your own employees and for which depreciation accounts are maintained:	
	(a) Book value of new construction (including major repairs and alterations) chargeable to Fixed Assets Account	\$
	(b) Book value of machinery and equipment (including major repairs and improvements) chargeable to Fixed Assets Account	
I	D. Revenue from sale of electricity	\$
I	2. All other revenue for products and services of this establishment not reported in A, B, C, or D above. Include any other revenue from operations performed by your own employees such as cafeterias, lunch counters, outside installation or construction work not related to your own products, sale of used materials (excluding sale of used fixed assets), research and development work, etc.	s
	Total revenue of this establishment (A + B + C + D + E)	
	Note for firms operating separate sales outlets - Please check below:	
	1. If you are valuing shipments at the sales outlet level, and operational data of such sales outlets are only available from a separate head office	
	2. If shipments consist of physical movements from this plant valued at outlet selling prices	

6501-1.1 & 1.3: 12-9-61

PAYROLL, EMPLOYMENT AND MAN-HOURS OF THIS ESTABLISHMENT, CALENDAR YEAR

Note: To ensure proper reporting of data on this page, it is essential that reference be made to item 6 on page 4 of Reporting Instructions.

	T		T		
PART 1 - Employment and payroll at this location	Salaries, wages and commissions, etc., paid		Give the average number employed for all items except Part 1 C 1; the average for this item will be calculated at the Bureau		
In accordance with item 6A of Reporting Instructions, are your own head or administrative office employees	(omit	during calendar year* (omit cents)			
included below?	-		Male	Female	Total
Yes No		\$	No.	No.	No.
A. Working owners or partners (unincorporated companies only), Report all withdrawals during the year for normal living expenses for self and family. Do not include withdrawals for payment of					
B. Administrative and office employees (See definition in item 6B of Reporting Instructions.)					
of Reporting Instructions.)				For DBS U	a Only
C. Perdantal and the state of the state of			:	1	·
C. Production and related workers - All employees, except those reported in A, B and D, who are engaged in producing for sale or own use (including new construction). (See item 6C of Re- porting Instructions for definitions of categories 1 to 4.)					
paring motive to definitions of categories 1 to 4.)					
1. Employees in manufacturing operations					
Include employees in plant and plant warehouse					
these employees is to be reported in Part 4 on next page)					
 Employees in new construction as a separate work force (for the use of this establishment) 					
3. Outside piece-workers					
4. Other production and related workers (specify nature of work) $$					
D. Soles and distribution workers — Include office personnel at this location whose salaries are charged to selling expense, travelling salesmen, driver sales- men, truck drivers and their helpers, etc. Include also sales personnel attached to sales outlets at this location which form an integral part of your manufacturing operation					
DADTO F					
PART 2 - Employment and payroll at other locations					
Include sales offices, warehouses, etc. (See item 6A of Reporting Instructions)					
(Do not include employment in manufacturing or processing plants in other locations which are integrated with this establishment's operations. If no separate form has been provided, include employees and payroll of such plants in Parts 1 and 4.)				For DBS Us	e Only
Total payroll of this establishment				3.7.36.7	
 Report gross earnings before deductions from employees for income include all bonuses, profits shared with employees, the value of roo the employee's earnings. (Include payment for overtime.) 	tax and socia	l services sucl where provided	h as sickness , as well as	s, accident, pen any other allo	sions, insurance, etc.
PART 3 — Man-hours of all production and related workers engaged it C1 and C2 of Part 1 and whose numbers are reported in Po	n manufacturi	ng and new cor Ion C2 of Part	struction wh	ose payrolls a	re reported in Section
 Did any of these workers receive any pay for periods of absence (such as paid vacations, statutory holidays or paid sick leave)? 		Yes	□ No		
2. Manufacturing operations	JanMar.	AprJune	July-Sept.	OctDec.	Annual total
(a) Total man-hours at work during each period by all production					((
and related workers whose payroll is reported in Section Cl of Part 1 and whose numbers are reported in Part 4 (In reporting overtime, include only hours actually at work.)					
o o o o o o o o o o o o o o o o o o o					
(b) Total man-hours not worked, but nevertheless paid for during each period (e.g.: paid vacations, sick leave, statutory holidays, etc.)					
(c) Total man-hours paid (sum of (a) and (b))					
New Construction - Total man-hours paid during each period of all workers engaged in new construction whose numbers and payroll are reported in Section C2 of Part 1					
4. Please check for reasonableness by calculating average hourly operations (Payroll in Section Cl of Part 1 divided by total m Part 3)	y earnings is an-hours paid	manufacturing in Item 2(c) of	(\$ and	c per hous)	
			(4 8110	per nour)	

Long Form

APPENDIX II - Continued

PART 4 - Number of production and related workers engaged in manufacturing operations in plant and plant warehouse

Report numbers of employees receiving pay during the last pay period of each month, whether paid on monthly, weekly hourly, or piece-work basis, whose wages are reported in Item C1, of Part 1 on the previous page.

Do not include employees reported in Sections, A, B, C2 C3, C4 and D of Part 1 and in Part 2.

Month	Male	Female
	No.	No.
January, 1961		
February, 1961		
March, 1961		
April, 1961		
May, 1961		
June, 1961		
July, 1961		
August, 1961		
September, 1961		
October, 1961		
November, 1961		
December, 1961	For DBS U	se Only

DOMINION BUREAU OF STATISTICS
OTTAWA -- CANADA

Industry and Merchandising Division

ANNUAL CENSUS OF MANUFACTURES

GENERAL SCHEDULE

1961

Form CM 6501-1.3

Please make any necessary changes in above name or mailing address.

The Census of Manufactures is authorized by the Statistics Act, Chap. 257, Revised Statutes of Canada, 1952.

The Act states that every report is confidential and cannot be used for purposes of taxation, investigation or regulation without your permission and that the filing of returns by every manufacturer is compulsory.

Thirty days are allowed for the completion and submission of this report,

Industry totals compiled from manufacturers' reports will be published in industry bulletins as soon as possible after all reports are received. Your co-operation in returning your report(s) promptly will expedite the publication of this information. Completed reports and correspondence concerning their completion should be addressed to the

INDUSTRY AND MERCHANDISING DIVISION DOMINION BUREAU OF STATISTICS OTTAWA

COMPLETE THIS BOX IF THIS ESTABLISHMENT DID NOT OPERATE AT ALL DURING 1961, OR CHANGED OWNERSHIP	3. ACTUAL PHYSICAL LOCATION OF THIS ESTABLISHMENT
1. NO OPERATION	Street and number
If this establishment did not operate at all during 1961, kind-	City, town or village
ly check here and return the form after completing, if applicable, the questions below on Change of Ownership or	County or Census Division
Status	Province
2. CHANGE OF OWNERSHIP OR STATUS	
If this establishment changed ownership during 1961, com-	Is this establishment within the actual legal bound- aries of the city, town or village given above? Yes No
plete (a), (b), of (c):	If the answer is No. kindly give below an indication of its location
(a) Business sold by you on	such as parish or township in the East; division or township, range, meridian in the West.
То	meridian in the west.
Name and address of present owner	
(b) Went out of business on (no new owner) (date)	4(a) NATURE OF BUSINESS: (describe briefly)
(c) Business purchased by you on	
From	(b) NAME UNDER WHICH THIS ESTABLISHMENT CARRIED ON BUSINESS
Name and address of previous owner	
GENERAL INSTRUCTIONS	5 TYPE OF ORCANIZATION /
	5. TYPE OF ORGANIZATION: (check one)
NOTE: Beginning with this survey, establishments are required to report data on total operations as described in the "Reporting	Individual Partner- Incorporated Incorporated Unincorporated Ownership ship Company Co-operative Co-operative
Instructions" and in the notes accompanying each section of this report.	
(a) A separate report must be prepared for each manufacturing estab- lishment operated by a firm.	6. HEAD, EXECUTIVE OR ADMINISTRATIVE OFFICE
(b) Where an establishment was operated only a portion of the year	Does this establishment have a
1961, a report is required covering the period of operation.	Separate head or executive office?
(c) An owner who went out of business during the year, either through	S
closing down or sale, is required to complete a part-year report	Separate administrative office? Yes No
	If yes, give name and address of same
(d) A purchaser should report from the date of purchase to the end of the calendar year,	Name
	Address
(e) Check for completeness, accuracy and consistency. Your report will be reviewed for completeness and accuracy and in order to	
avoid future correspondence it is suggested that you:	I hereby certify that the information given in this report is substan-
(i) look for omissions,	tially complete and correct to the best of my knowledge and belief.
(ii) check for reasonableness of average salaries, average wages, ratios of value of factory shipments to material costs, payroll, etc., and	Signature of person making this report
(iii) compare total cost of materials, payroll, fuel and electricity	
with value of factory shipments for reasonableness; in most cases a reasonable margin for overhead and profit should be	Name of signer (please print)
indicated.	
(f) The reporting instructions have been designed to assist you in	Official position
filling out this Census of Manufactures form. In view of signifi- cant changes that are being implemented in this year's survey,	2
particularly as they affect multi-unit firms please read the	Business address of signer
instructions relating to each section of the form before entering your figures.	Period covered
	by this report: From

7. INVENTORY OF THIS ESTABLISHMENT A. Manufacturing Inventory	INVENTORY F	FOR PERIOD THIS REPORT	
Book value of all manufacturing inventory including inventory at any warehouse or sell- ing outlet which is treated as an extension of this establishment for the purpose of re- porting shipments. Include also materials and finished products in transit in Canada or	Opening (Omit cents)	Closing (Omit cents)	
on consignment in Canada or on consignment in Canada or on the Canada or o	\$	\$	
Raw materials, supplies and purchased components			
2. Goods in process			
3. Finished goods of own manufacture			
B. Goods Purchased for Re-Sale Book value of all goods purchased for re-sale as such without further processing, owned by this establishment and held at the plant (and at any warehouse or selling outlet which is treated as an extension of this establishment for the purpose of report- ing sales of these goods), in transit in Canada, or on consignment in Canada			
8. UNFILLED ORDERS		(Omit cents)	
1. Do you normally have a backlog of unfilled orders at the end of each month (i.e. unshipped orders, regardless of work already done on them and of stock from which they can be filled) apart from amounts due to normal shipping time-lag.	L, if applicable.), represented by binding		
Yes No			
 FUEL AND ELECTRICITY USED BY THIS ESTABLISHMENT Include gasoline, diesel fuel and liquefied petroleum gases used in cars, trucks etc. operate as laid down at the establishment, including transportation charges, duty, etc. Do not counless the quantities are the same.) 	d by this establishment. (Stronsider fuel purchased as re	ate cost in each case presenting fuel used	
		Cost at the establishment (Omit cents)	
		1	
1. Total cost of fuel used. (Include coal, coke, gasoline, fuel oil, wood, gas, etc.)			
2. Cost of electricity purchased, including service charges			
TOTAL			
10. ELECTRICITY GENERATED			
Do you generate electricity for sale or own use? Yes	□ No		

Medium Form

APPENDIX II - Continued

11. RAW MATERIALS, SUPPLIES AND COMPONENTS OWNED BY THIS ESTABLISHMENT

Report in this Section all raw materials, supplies and purchased components owned by this establishment and either used in production and related processes (in A, C, D and E below) or purchased for resale as such (in B),

Include only commodity items or physical goods, and not costs of services or overhead charges such as advertising, insurance, depreciation, interest, etc. In reporting cost of these goods, give the laid-down value at the establishment, i.e. the amounts actually paid or payable after discounts including any transportation and handling charges paid by this establishment to common or contract carriers in acquiring the materials, supplies and components to be reported below.

Include raw materials, supplies and components used or purchased for resale at any other locations which are treated in your records as extensions of this establishment's operations for the purpose of reporting shipments.

In the case of processed or semi-processed goods received as transfers from other establishments of your firm for resale (reported in 11B below) or further processing by this establishment, the cost of such goods should be equivalent to the transfer value reported by the shipping establishment plus any transportation and handling charges paid to common or contract carriers by this establishment.

For all items except B, report materials, supplies and components used, not purchased. (In the case of minor items of materials and supplies, purchase records may be used, if necessary.)

A. Row Materials, supplies and components owned and used in manufacturing — Give the quantity, where required, and the laid-down value at the establishment of all raw materials, supplies and components owned and used in manufacturing during the year, including those received as transfers from other establishments of your firm. Include purchased components whose cost is reflected in the value of products shipped reported in Section 12A of this report.

Do not include returnable containers or any other purchased item chargeable to Fixed Assets Account. Include, however, materials, supplies and components used in the production of machinery and equipment for own use.

Do not include fuel which is to be reported in Section 9 of this report.

Do not include goods purchased from others (or received as transfers from other establishments of your company) for resale as such in the same condition as purchased; these should be shown under 11B below.

Raw Materials, Supplies and Purchased Components Used (List main items below)	Unit of measure	Quantity	Total cost at this establishment (omit cents)
(a) Raw materials and purchased components used			\$
1,			
2			
3,			
4,			
5	-		
6			
7			
8			
9			
10.			
11. All other rawmaterials and components, Include also such items as chemicals and other agents which, while not necessarily considered to be materials proper, must be directly associated with the materials at some stage of processing. (Specify large items separately.)			
(b) Containers and other packaging materials and supplies	ling fuel but in	cluding allother supplies	
(d) Amount paid out to others for work done on materials owned by this esta	blishment		
Total materials, supplies, components and cost of work done in m			
B. Materials or products purchased from others (or received as transfers from for re-sale as such in the same condition as purchased			
C. Moterials and supplies used by your own employees in new construction for ing major repairs and alterations). The total book value of such work charge reported in Section 12C(a)	r the use of th	is establishment (includ-	
D. Office supplies - Give the cost of office supplies used during the year; not Exclude cost of stamps and meter expenses			
All other materials and supplies used by this establishment such as food, bunch counters, first aid medical supplies, laboratory supplies, etc. (Do not C or D above.)	everages and s	upplies for cafeterias or	
Total materials, supplies and components of this establishment (A			
01-1.1 & 1.3: 12-9-61			

Medium Form

APPENDIX II - Continued

12. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT

This Section covers all production, sales and related activities of this establishment (non-operating revenues such as rent, interest and dividends and sale of used assets are excluded). For a description of the meaning and statistical coverage of the establishment, see items 2 and 3 of Reporting Instructions.

If all shipments of goods from this location (and any adjoining warehouses) constitute final sales, you are not concerned with instructions relating to transfer shipments (Item 5 of Reporting Instructions).

Important: If goods of this establishment are shipped to other manufacturing establishments of your firm for further processing or sale or to separate warehouses or selling branches for final disposition to customers, see Item 5 of Reporting Instructions for the method to be used in reporting such shipments.

A. Shipments of goods of own manufacture - include goods manufactured from own materials, either at this establishment, or by other manufacturers on the basis of a charge to this establishment for work done. Include also revenue from repair and custom work.

Give the quantity, when required, and the net selling value of all products and by-products of own manufacture shipped during the year. Shipments should be net of returned goods and value figures should exclude discounts, returns, allowances, sales taxes and excise duties and charges for outward transportation by common or contract carriers (transportation or delivery expenses sincurred by the establishment's own carriers should not be deducted). The value of containers should be included in all instances unless these are returnable.

All shipments, including those to government departments, should be accounted for. The unsold portion, at year-end of consignment shipments in Conodo, is to be treated as inventory and not as shipments. Shipments should include, however, the sales during the year of goods shipped on consignment in previous years. All shipments to foreign countries, whether sold or not at year-end, are to be reported as shipments.

PRODUCTS SHIPPED All important products manufactured from materials owned by you which are not listed below should be detailed in the space provided under "All other products". Do not duplicate items which have been included in any other Census of Manufactures report made by your company.	Unit of measure	Quantity shipped	Value of shipments. Do not include sales tax, excise duties or outward transportation charges by common or contract carriers. (omit cents)
			\$
1	-		
2			
3			
4			
5			
6			
7			
8			
9			
10,			
11			
12. All other products shipped (specify large items separately)			
13. Amount received in payment for work done on materials and products own	ed by others		
Total value of shipments and work done			
If you have not found it possible to report the value of individual proc charges by common or contract carriers and sales taxes and excise dutie	ducts excludi	ng outward transportation	
(a) Total payments for outward transportation by common or contract of			
(b) Total payments of sales taxes and excise duties			
Note for multi-unit firms only - Did you, as a result of the new change your method of valuing shipments of goods of own manused in previous years?	ufacture, as c	ompared with the method	Yes No
If you answered "yes", please give the total value of shipments and of valuation. A reasonably close estimate is acceptable	work done co	mpiled on the 1960 basis	

12. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT - Concluded	
B. Shipments of goods not of own manufacture — Report the net selling value at this establishment (less discounts, returns, allowances and transportation charges by common or contract carriers) of all products or materials (including products transferred from other establishments of your firm) sold as such in the same condition as purchased	\$
C. Value of Fixed Assets produced for the use of this establishment by your own employees: Give the book value of fixed assets produced during the year by your own employees and for which depreciation accounts are maintained:	
(a) Book value of new construction (including major repairs and alterations) chargeable to Fixed Assets Account	\$
(b) Book value of machinery and equipment (including major repairs and improvements) chargeable to Fixed Assets Account	\$
D. Revenue from sale of electricity	\$
E. All other revenue for products and services of this establishment not reported in A, B, C, or D above. Include any other revenue from operations performed by your own employees such as cafeterias, lunch counters, outside installation or construction work not related to your own products, sale of used materials (excluding sale of used fixed assets), research and development work, etc.	\$
Total revenue of this establishment (A + B + C + D + E)	\$
Note for firms operating separate sales outlets - Please check below:	
If you are valuing shipments at the sales outlet level, and operational data of such sales outlers are only available from a separate head office	
2. If shipments consist of physical movements from this plant valued at outlet selling prices	

6501-1.1 & 1.3: 12-9-61

PAYROLL, EMPLOYMENT AND MAN-HOURS OF THIS ESTABLISHMENT, CALENDAR YEAR

Note: To ensure proper reporting of data on this page, it is essential that reference be made to item 6 on page 4 of Reporting Instructions.

200						
PART 1 -	Employment and payroll at this location	Salaries, v	etc., paid	except Pai	verage number tt 1 C 1; the av- be calculated s	employed for all items rerage for this item will
	In accordance with item 6A of Reporting Instructions, are your own head or administrative office employees included below?	during cale (omit c	ents)	Male	Female	Total
	Yes No	3		No.	No.	No.
for se	ng owners or partners (unincorporated companies only), all withdrawals during the year for normal living expenses if and family. Do not include withdrawals for payment of ear.					
B. Admin	Intrative and office employees (See definition in item 6B octing Instructions.)					
or Rep	nating matterious,			6: 1 × 1 × 1	For DBS U	e Only
or own	ction and related workers - All employees, except those d in A, B and D, who are engaged in producing for sale use (including new construction). (See item 6C of Registractions for definitions of categories 1 to 4.)					
1. Em	ployees in manufacturing operations ude employees in plant and plant warehouse					
the	port total payments only in this section; the number of se employees is to be reported in Part 4 on next page)					
2. Emp (for	oloyees in new construction as a separate work force the use of this establishment)					
3. Out	side piece-workers					
4. Oth	er production and related workers (specify nature of work)					
Include charge men, t person	end distribution workers - e office personnel at this location whose salaries are d to selling expense, travelling salesmen, driver sales- ruck drivers and their helpers, etc. Include also sales nel attached to sales outlets at this location which form gral part of your manufacturing operation					
Include s	Employment and payroll at other locations ales offices, warehouses, etc. (See item 6A of Reporting ons)					
(Do not in in other l	nclude employment in manufacturing or processing plants ocations which are integrated with this establishment's s. If no separate form has been provided, include em- nd payroll of such plants in Parts 1 and 4.)				For DBS U	a Only
	ral payroll of this establishment				196	
Include al	oss earnings before deductions from employees for income il bonuses, profits shared with employees, the value of ro- yee's earnings. (Include payment for overtime.)	tax and social om and board w	services suc here provide	h as sickness d, as well as	s, accident, per any other allo	sions, insurance, etc. wance forming part of
	Man-hours of all production and related workers engaged in C1 and C2 of Part 1 and whose numbers are reported in Pa		and new co on C2 of Part	nstruction wh 1.	ose payrolis a	re reported in Section
1. Did an (such i	y of these workers receive any pay for periods of absence as paid vacations, statutory holidays or paid sick leave)?		Yes	□ No		
2. Manufo	acturing operations	JanMar.	AprJune	July-Sept.	OctDec.	Annual total
and of	ral man-hours at work during each period by all production related workers whose payroll is reported in Section C.I. Part I and whose numbers are reported in Part 4					
(b) Tot	of man-hours net worked, but nevertheless paid for during the period (e.g.: paid vacations, sick leave, statutory idays, etc.)					
(c) Tel	of man-hours poid (sum of (a) and (b))					
ali wo	onstruction - Total man-hours paid during each period of ckers engaged in new construction whose numbers and are reported in Section C2 of Part 1					
4. Please operati Part 3)	check for reasonableness by calculating average hour ons (Payroll in Section Cl of Part 1 divided by total n	ly earnings in nan-hours paid	manufacturii in Item 2(c)	ng of (\$ and	d c per hour)	

Medium Form

APPENDIX II - Continued

PART 4 — Number of production and related workers engaged in manufacturing operations in plant and plant warehouse.

Report number of employees receiving pay during the last pay period of each month, whether paid on monthly, weekly, hourly, or piece-work basis, whose wages are reported in Item C1, of Part 1 on the previous page.

Do not include employees reported in Sections A, B, C2, C3, C4 and D, of Part 1 and in Part 2.

Month	Male	Female
	No.	No.
March, 1961		
June, 1961		
September, 1961		
December, 1961		
	For D.B.	S. Use Only

Short Form

APPENDIX II - Continued

DOMINION BUREAU OF STATISTICS OTTAWA - CANADA

Industry and Merchandising Division

ANNUAL CENSUS OF MANUFACTURES

GENERAL SCHEDULE

1961

COMPLETE THIS BOX IF THIS ESTABLISHMENT DID NOT OPERATE AT ALL DURING 1961, OR CHANGED OWNERSHIP

1. NO OPERATION

Please make any necessary changes in above Name or Mailing Address

3. ACTUAL PHYSICAL LOCATION OF THIS ESTABLISHMENT

Street and number

The Census of Manufactures is authorized by the Statistics Act, Chap. 257, Revised Statutes of Canada, 1952, which makes the filing of returns by every manufacturer compulsory. Thirty days are allowed for the completion and submission of this report.

If this establishment did not operate at all during 1961, kindly check here and return the form after completing, if applicable, the questions below on Change of Ownership or Status.	City, town or village County or Census Division				
2. CHANGE OF OWNERSHIP OR STATUS					
If this establishment changed ownership during 1961, complete (a), (b), or (c):		Province Is this establishment within the actual legal boundaries of the city, town or village given above? Yes No			
(a) Business sold by you on (date)	aries of the city,				
To	If the answer is No, kindly give below an indication of its location such as parish or township in the East; division or township, range, meridian in the West.				
	4 (a) NATURE OF	TRADE OR B	USINESS (descr	îbe briefly)	
(b) Went out of business on (no new owner)					
(c) Business purchased by you on (date)	(b) NAME UNDER	WHICH THIS E	STABLISHMENT	CARRIED ON BUSINESS	
FromName and address of previous owner					
		5. TYPE OF ORGANIZATION (check one)			
	Ownership sh	ner- Incorpor ip Comps		tive Co-operative	
	J				
EMPLOYMENT AND PAYROLL OF THIS ESTABLISHMENT FOR C	Salaries, wages, bonuses, commissions, etc., before payroll		Give the average number employed		
	deductions (omit cents)	Male	Female	Total	
(a) Working Owners or Partners (unincorporated companies only). Report all withdrawals during the year for normal living expenses for self and family. Do not include withdrawals for payment of income tax.	\$	No.	No.	No.	
(b) Administrative, sales and office employees					
(c) All other employees					
TOTAL					
I hereby certify that the information given in this report is substa ally complete and correct to the best of my knowledge and belief. (Complete other side before signing)	Business address of	signer			
gnature of person making this report					
fficial position	Period covered by this report Fro	·m	19 То	19	
01-1-7: 22-8-61					

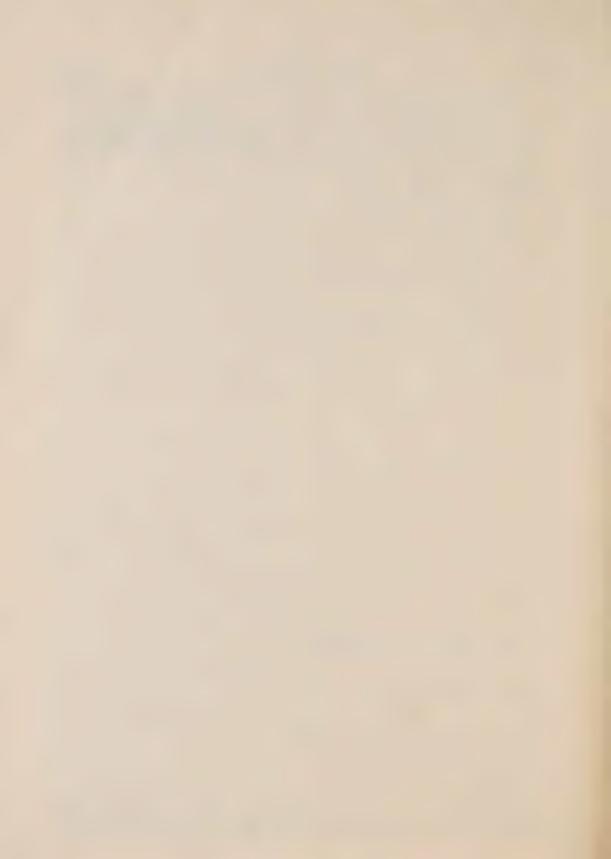
APPENDIX II - Concluded

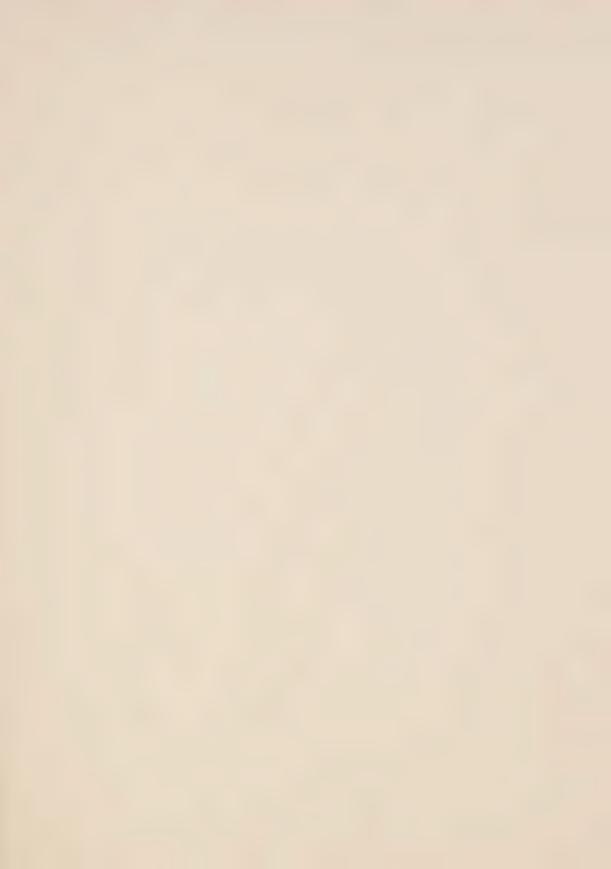
	(Omit cents)
7. REVENUE OF THIS ESTABLISHMENT (except tent, interest and dividends) Report the selling value (less sales taxes and excise duties) of oll goods and services sold by this establishment dur-	,,
ing the year, including repair and custom work.	\$

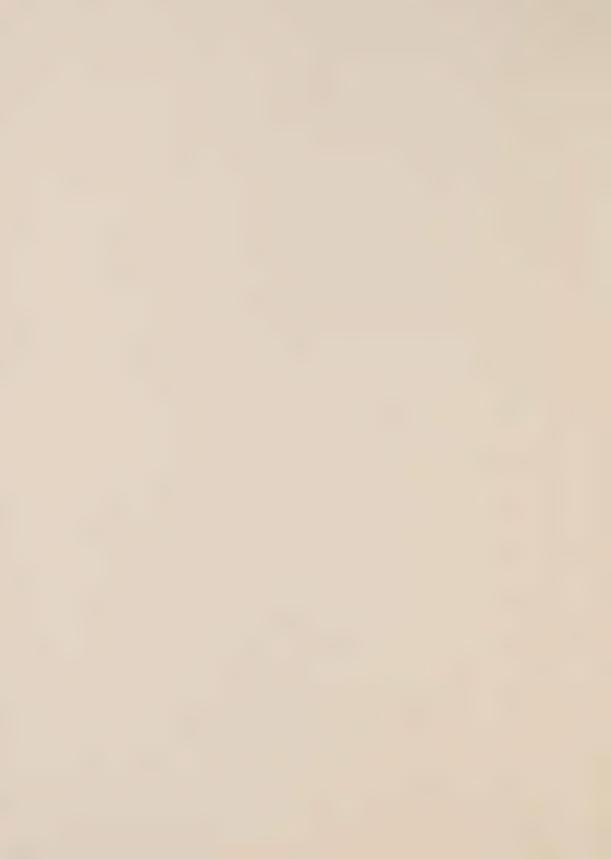
8. PRODUCTS MANUFACTURED IN THIS ESTABLISHMENT
Report the value (less sales taxes and excise duties) of sales or shipments of goods of own manufacture and receipts for repair and custom work.
Do not include goods bought and re-sold in the same condition as purchased; since these (if any) were included in section 7 above, the total value reported below need not agree with that of section 7.

	Products of own manufacture sold or shipped	Unit of measure	Quantity sold or shipped	Value less sales taxes and excise duties (omit cents)
,				1
5.				
9.				
15.				
20.				
25.				
	Other products (specify large items separately)			
20.	one poduce (specify large items separately)			
27.				
28.				
200				

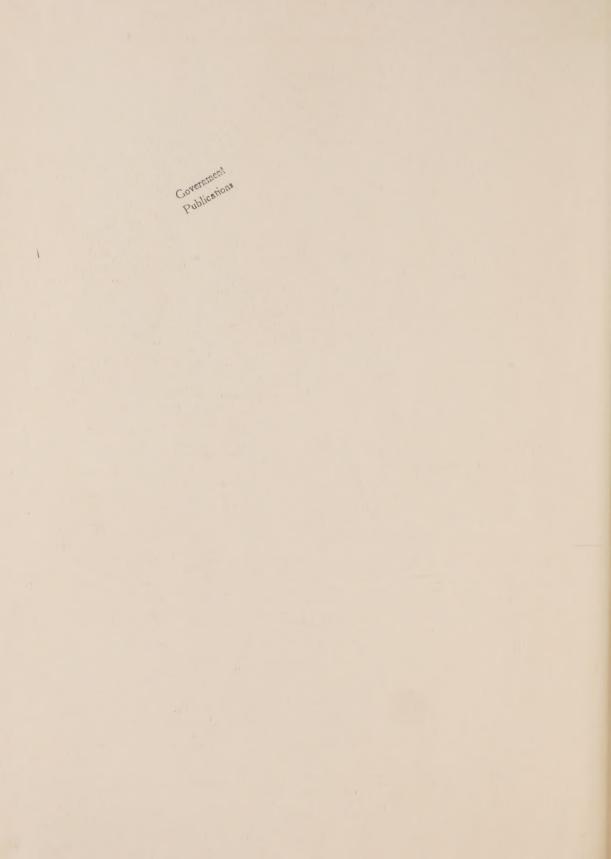












Government Publications

